学校設定科目

iC アカデミックイングリッシュ

抜粋版

岡山県立岡山一宮高等学校

| Today's class aim | | | | | | | | | | | | | |
|---|-------------------------------|------------------|--------------|-------|--------|---------------------|---------|------------|---------|--------|-------|--------|--------|
| To learn cell b | iology in l | English | 1 | | | | | | | | | | |
| Find the differences | between plan | t and anir | nal ce | lls | | | | | | | | | |
| Which two parts do write in the blanks, a | | | name | fron | n a di | iction | ary. | | | | | | |
| Engl | ish name | | | | | | | Japa | nese | name | 9 | | |
| | | | | - | | | | | | | | | |
| | | | | | | | | | | | | | |
| Find and write down | now words fo | or vou (fro | m "\/o | oobu | lon, i | | atovť" | ` | | | | | |
| Find and write down English | | n you (no 日本語 | III VO | Cabu | liary | | nglish | | | | — н | 本語 | |
| | | - ттиц | | | | | 1911511 | | I I | | | ттир | |
| | | | | + | | | | | - | | | | |
| | i | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | + | | | | | | | | | |
| | İ | | | | | | | | | | | | |
| Read "Vocabulary in | context" and | answer fo | ollowin | ıg qu | estio | ns in | 日本 | 語. | | | | | |
| 1. What one part d | o all cells ha | ve? | | | | | | | | | | | |
| 2. What does the d | ell membran | e do? | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| 3. What do riboson | nes do? | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| 4. What do lysosor | | | | | | | | | | | | | |
| Read any part on pa | | 5) and ma | ake no | tes c | on inf | orma | tion y | ou ca | aught | from | the s | sente | nces. |
| English / 日本語 (<u>List at</u> | <u>least 3 facts</u>) | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| Things done well | / you learned / you f | felt tough | | | | | | Questi | ons you | ı have | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| Completion rate of class | aim: | Poor | (<u>l</u>) | 2 | (3) | (4) | (5) | (6) | (7) | (8) | 9 | (10) | Perfec |
| Comment: | | | | | | | | | | | | | |

Class: Num: Name:

| Today's class aim | | | | | | | | | | | | | |
|-------------------------------------|-------------------|--------------------|------------|------------|---------|------------|--------------|--|----------|------------|-------|--------|--------|
| To learn mechani | cs in En | glish | | | | | | | | | | | |
| Fill blanks with proper w | ords | | | | | | | | | | | | |
| The rate at which a mov | | | | | | | | | | | | | |
| (1) with direction tha | | | | | | | | | | | | | ٥. |
| The rate of change of (| | oving of | oject e | expre | essed | in m | eters | | | | uared | l is (| 3). |
| Enç | glish | | | | | | | | 日本語 | i | | | |
| | | | | | | | | | | | | | |
| 2. | | | | 1 | | | | | | | | | |
| 3. | | | | | | | | | | | | | |
| Find and write down nev | v words for | you (fro | m "Vo | cabu | ılary i | n cor | ntext" |) | | | | | |
| English | 1 | 日本語 | | | | Eng | | , | | | 日2 | 本語 | |
| | ! | | | 1 | | | | | i | | | | |
| | <u> </u> | | | | | | | | <u> </u> | | | | |
| | | | | | | | | | | | | | |
| | I I | | | + | | | | | <u> </u> | | | | |
| | | | | | | | | | - | | | | |
| | | | | | | | | | | | | | |
| Read "Vocabulary in cor | tevt" and a | newer fo | llowir | od dri | estin | ne in | 日本 | ====================================== | | | | | |
| | | illower le | JIIOVVII | 19 40 | 100110 | 110 111 | <u>н</u> /т\ | п . | | | | | |
| 1. What makes objects | s move? | | | | | | | | | | | | |
| 2. What makes the ob | ject difficul | It to cha | nge i | ts sp | eed | or di | rection | on of | mov | ing? | | | |
| 3. What are the names | s of forces | alwavs | hanr | nen i | n nai | rs? | | | | | | | |
| o. What are the hame. | 3 01 101003 | aiways | iiapr | | ıı paı | | | | | | | | |
| | | | | | | | | | | | | | |
| Read any part on p.192- | p.193 and | make no | otes o | n info | ormat | ion y | ou ca | ught | from | the s | enter | nces. | |
| English / 日本語 (<u>List at leas</u> | t 3 facts) | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| Things done well / you | learned / you fel | t tough | | | | | | Questi | ions you | ı have | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| Completion rate of class aim: | | Poor | <u>(1)</u> | <u>(2)</u> | 3 | <u>(4)</u> | (5) | <u>(6)</u> | (7) | <u>(8)</u> | 9 | (10) | Perfe |
| • | | L 001 | (1) | (4) | (U) | (4) | (0) | (0) | | (0) | (3) | (10) | 1.6116 |
| Comment: | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | Class: | Nur | n· | Na | me. | | | | | | | | |

| Today's class aim | | | | | | | | | |
|---|----------------------------|--------------|---|---|----------|---|-------|------|---------|
| To learn about Bact | teria in English | | | | | | | | |
| Answer the questions | | | | | | | | | |
| 1. A microscopic organis | sm consisting of a si | ingle cell a | and a simp | ole structur | e is ca | alled (| |) | |
| Bacterium does not c | | | a a op | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | 0 10 00 | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | | , | |
| 3. Bacteria in our guts h | | | | | | | | | |
| | glish | | | | 日本語 | | | | |
| | <u></u> | | | | 口个四 | | | | |
| 1. | | į | | | | | | | |
| 2. | | I | | | | | | | |
| Ζ. | | | | | | | | | |
| 3. | | | | | | | | | |
| | | | | | | | | | |
| Find and write down nev | | m "3rd and | | | | | | | |
| English | 日本語 | | Eng | ılish | ! | | 日本語 | 吾 | |
| | | | | | i | | | | |
| | <u> </u> | | | | - | | | | |
| | | | | | į | | | | |
| | | | | | + | | | | |
| | ! | | | | I I | | | | |
| | 1 | | | | į | | | | |
| | <u> </u> | | | | <u> </u> | | | | |
| Read the 3rd and 4th pa | iragraphs and answ | er followir | ng question | ns in 日本語 | 吾. | | | | |
| 1. Mention one import | ant role of bacteria | a in the e | nvironme | nt. | | | | | |
| | | | | | | | | | |
| 2. Vaccination can hel | p protect against t | oacteriai i | niection s | such as? | | | | | |
| 3. Give two serious dis | seases cause by b | acteria. | | | | | | | |
| Read any part of the page | ge and make notes | on informa | ation you o | caught fron | n the s | senten | nces. | | |
| 日本語 (<u>List at least 3 facts</u>) | | | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | g | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| Things done well / you | ı learned / you felt tough | | | Quect | ions you | have | | | |
| Timigs done wen / you | rearried / you left tough | | | <u>Ouest</u> | ions you | <u>nave</u> | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| Completion rate of class aim | : Poor | (1) (2) | 3 4 | (5) (6) | (7) | (8) | 9 | (10) | Perfect |
| Comment: | | | | | | | | | |
| _ | | | | | | | | | |
| | | | | | | | | | |

| Completion rate Comment: | of class aim: | | Poor | (<u>l</u>) | (2) | (3) | 4) | (5) | (6) | (7) | (8) | 9 | (10) | Perfec |
|---|-------------------|--|--|--------------|-----|-----|-----|------|-------|----------|--------|---|------|--------|
| | | | | | | | | | | | | | | |
| Things | s done well / you | learned / you | ı felt tough | | | | | | Ouest | ions you | u have | | | |
| | | | | | | | | | | | | | | |
| Title 🖒 | | | | | | | | | | | | | | |
| English paper | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| 日本語論文 タイトル □ □ > | • | | | | | | | | | | | | | |
| Structure of a | research p | aper yo | u found | | | | | | | | | | | |
| References | | | | | | | | | | | | | | |
| Conclusion | | | | | | | | | | | | | | |
| Discussion | | | | | | | | | | | | | | |
| Results | | | | | | | | | | | | | | |
| Methods | | | | | | | | | | | | | | |
| Introduction | | | | | | | | | | | | | | |
| Abstract | 1 1 1 1 | | | | | | | | | | | | | |
| Author(s) Affiliation(s) | | | | | | | | | | | | | | |
| <u>EN</u> Title | JP. | | Memo | | | | | | | | | | | |
| Structure of a | | | | | | | | | | | | | | |
| 4. (自分のトピ | | | | | | | | ≟を知 | | | | | | |
| 3. 使える | | | | | | がな | | | | | | | | |
| 2 | | | | | が | ないか | ・把握 | 量する。 | | | | | | |
| - 1 i i i i i i i i i i i i i i i i i i | | torcau | researen p | арсто | | | | | | | | | | |
| 4 reasons tha | at you need | to read | research n | aners | | | | | | | | | | |
| vinatis a re. | зсагоп рарс | <u>. </u> | | | | | | | | | | | | |
| What is a "res | | | —————————————————————————————————————— | | | | | | | | | | | |
| To know w | hat a rese | earch r | aper is | | | | | | | | | | | |
| Today's class | aim | | | | | | | | | | | | | |

| i | C | Δ | E: | 1 | 6 |
|---|----|---------------|----|-----|---|
| ı | v. | $\overline{}$ | ш. | - 1 | u |

| Today's class aim | | | | | | | | | | | | |
|-------------------------------|-----------------------|--------------|------------|------|------------|------|--------------|----------|----------|----------|------|----------|
| To know what a resea | arch poster is | | | | | | | | | | | |
| What is a research poster? |) | | | | | | | | | | | |
| () infor | mation or res | seard | ch c | conc | isel | y ar | nd a | ttrac | ctive | ly to | o he | lp |
| generate (|). | | | | | - | | | | - | | - |
| The poster is usual | lly a (| , |) of | a b | rief | (| |) n | nixe | d wi | ith | |
| (), (|), (|), a | nd | othe | r pr | ese | ntat | ion | form | nats | | |
| Contents and structure of a | a noster | | | | | | | | | | | |
| Contents and structure of a | - poster | | _ | men | no: | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| 1 | 6 | | | | | | | | | | | |
| | | | | | | | | | | | | |
| 2 | 4 | | = | | | | | | | | | |
| | 4 | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| 6 | | | = | | | | | | | | | |
| | | | | | | | | | | | | |
| 7 | | | = | | | | | | | | | |
| -25 | | | | | | | | | | | | |
| Team# and a paper you ch | iose | | | | | | | | | | | |
| number: title: | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| Things done well / you lea | rned / you felt tough | | Т | | | | Quest | ions you | have | | | |
| Things done went you rea | <u>you lest tough</u> | | | | | | <u>Ouest</u> | ions you | nave | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| Completion rate of class aim: | Poor | (<u>1</u>) | <u>(2)</u> | (3) | <u>(4)</u> | (5) | 6) | (7) | 8 | 9 | (10) | Perfect |
| Comment: | 1001 | <u> </u> | | X-/ | <u> </u> | χ-/ | \-/ | X-7 | <u> </u> | <u> </u> | | _ 311000 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |

| T 1 1 | | |
|---------|-------|-----|
| Today's | CIBEE | วเท |
| | | |

| To know how to read mathematical expressions, units and substances | | | | | | | |
|--|--|--|--|--|--|--|--|
| Can you say them in English? "Verbalization of the | e equations" | | | | | | |
| 1 + 2 = 3 | | | | | | | |
| 1 - 1 = 0 | | | | | | | |
| 2 × 5 = 10 | | | | | | | |
| 1 / 2 = ? | | | | | | | |
| Decimals | Fractions | | | | | | |
| <u>JP</u> | : <u>JP</u> : | | | | | | |
| 9.8 | $\frac{2}{3}$ | | | | | | |
| 3.1415 | <u>1</u> | | | | | | |
| memo | <u> 4</u> | | | | | | |
| | $\frac{4}{5}$ | | | | | | |
| | • | | | | | | |
| Large numbers | | | | | | | |
| 2023 | 10 ⁶ | | | | | | |
| 1900 | : 10 ⁹ | | | | | | |
| memo | | | | | | | |
| | 10^{12} | | | | | | |
| | | | | | | | |
| Mathematical expressions | | | | | | | |
| $y=ax^2+bx+c$ y ax | bx c | | | | | | |
| | , | | | | | | |
| $x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a} x = \frac{x}{a}$ | b | | | | | | |
| | | | | | | | |
| | ac | | | | | | |
| tv | vo a | | | | | | |
| Things done well / you learned / you felt tough | Questions you have | | | | | | |
| | | | | | | | |
| 1 | I and the second | | | | | | |

| Things done well / you learned / you felt tough | | | <u>Ouestions vou have</u> | | | | | | | | | |
|---|------|-----|---------------------------|-----|---------------------|-----|------------|-----|-----|-----|------|---------|
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| Completion rate of class aim: | Poor | (1) | (2) | (3) | (4) | (5) | <u>(6)</u> | (7) | (8) | (9) | (10) | Perfect |

Comment:

| lotation = + | Example $a = b$ | Reads | Description | Notation | Example | Reads |
|------------------------------|-----------------------------------|---|--|---|--|--|
| | a = b | | | | • | |
| + | | "a equals b" | Antiderivative | ſ | $\int x dx$ | "the integral of x, d x" |
| | a + b | " a plus b " "the sum of a and b " | Definite Integral | f | $\int_a^b x dx$ | "the integral of x , d x from a to b " |
| - | a - b | " a minus b " "the difference of a and b " | Line Integral (Curve Integral) | ∮ | $\oint_C f(x,y) ds$ | "the line (curve) integral of f d s along C " |
| ± | $a \pm b$ | "a plus or minus b" | Goes To | \rightarrow | $x \rightarrow 0$ | "x goes to zero " |
| · | a × b a•b | "a times b" "the product of a and b" | Infinity Limit | $\lim_{\square 	o \square}$ (\square | $a \to \infty$ $\lim_{x \to 0} f(x)$ | "a goes to infinity" "the limit as x goes to 0 of f of x" |
| / | a / b | "a divided by b" "the quotient of a and | Less Than Greater Than | < > | a < b | "a is less than b" "c is greater than b" |
| 1 | a ⁻¹ | "the inverse of a" | Less Than or Equal To | <u> </u> | <i>f</i> (<i>x</i>)≤5 | "f(x) is less than or equal to 5" |
| - _ | -a | "a inverse" "negative a" "minus a" | Greater Than or | <u> </u> | f(x)>f(y) | "f(x) is greater than or equal to f(y)" |
| √□ | \sqrt{a} | "the square root of a" | Factorial | <u>i</u> | n! | "n factorial" |
| $\sqrt{\Box}$ | <i>³</i> √ <i>a</i> | "the cube (cubic) root | Line Segment | □ | АВ | "the line segment AB" |
| . | no/~ | | Angle | Z | ∠EDF | "the angle EDF" |
| ∧ | | | Logarithm | $\log_a x$ | $y = \log_a x$ | "y equals the log of x ," base a " |
| | x^3 | "x cubed" | | | | "y equals the log, |
| | χ^a | " x to the a th" " x to the power of a " | Ratio | | a:b=c:d | base a , of x " "a is to b as c is to d " |
| | a | "the absolute value of a" | | | | "The ratio of a to b is equal to the ratio of c |
| % | 10% | "10 percent" | | | | to <i>d</i> " |
| () | f(x) | "f of x" | memo | | | |
| ≠ | $a \neq b$ | " a is not equal to b " | | | | |
| ≈ | $\pi \approx 3.14$ | "pi is approximately equal to 3.14" | | | | |
| ≡ | $a+0 \equiv a$ | "a plus zero is equivalent to a" | | | | |
| ∝ | <i>CX</i> [∞] <i>X</i> | "cx is proportional to x" | | | | |
| $\Sigma_{\square}^{\square}$ | $\sum_{i=1}^{\mathrm{n}} a_i$ | "the sum of <i>ai</i> from <i>i</i> equals 1 to <i>n</i> " | | | | |
| Π_{\square}^{\square} | $\prod_{i=1}^n z_i$ | "the product of <i>zi</i> from <i>i</i> equals 1 to <i>n</i> " | | | | |
| or d | $\frac{\mathrm{d}f}{\mathrm{d}x}$ | "the derivative of f with respect to x" "d f d x" "d d x of f" | | | | |
| д | $\int x$ | "the partial of f with respect to x" "partial f partial x" | | | | |
| () | | | | | | |
| | | | | | | |
| | × · / / | $\begin{array}{cccccccccccccccccccccccccccccccccccc$ | "the difference of a and b " $\pm a \pm b$ "a plus or minus b " $\times a \times b$ "a times b " $\cdot a \cdot b$ "the product of a and b " / a / b "a divided by b " $\frac{a}{b}$ "the quotient of a and b " $\frac{a}{b}$ "the inverse of a " $\frac{1}{a}$ "a inverse" $-a$ "negative a " "minus a " \sqrt{a} "the square root of a " \sqrt{a} "the cube (cubic) root of a " \sqrt{a} "the a th root of a " \sqrt{a} "to the a th "x to the power of a " \sqrt{a} "to the power of a " \sqrt{a} "to the absolute value of a " \sqrt{a} "of \sqrt{a} "of \sqrt{a} "is not equal to a " \sqrt{a} "a is not equal to a " \sqrt{a} "a plus zero is equivalent to a " \sqrt{a} "a plus zero is equivalent to a " \sqrt{a} "the sum of a from a equals 1 to a " \sqrt{a} "the sum of a from a equals 1 to a " \sqrt{a} "the derivative of a with respect to a " \sqrt{a} "the partial of a with respect to a " \sqrt{a} "the partial of a with respect to a " \sqrt{a} "the partial of a with respect to a " \sqrt{a} "the partial a proportional a "the partial of a with respect to a " \sqrt{a} "the partial of a with respect to a " \sqrt{a} "the partial of a with respect to a " \sqrt{a} "the partial a proportional a "here are a proportional a and a "here are a proportional a "here are a proportional a "here are a proportional a and a "here are a proportional a | #the difference of a and b " # $a \pm b$ | "the difference of a and b " # $a \pm b$ "a plus or minus b " * $a \times b$ "a times b " * $a \cdot b$ "the product of a and b " # $a \cdot b$ "the product of a and b " # $a \cdot b$ "the quotient of a and $a \cdot b$ "the quotient of a and $a \cdot b$ "the inverse of a " # $a \cdot b$ "the inverse of a " # $a \cdot b$ "the inverse of a " # $a \cdot b$ "the inverse of a " # $a \cdot b$ "the inverse of a " # $a \cdot b$ "the inverse of a " # $a \cdot b$ "the inverse of a " # $a \cdot b$ "the inverse of a " # $a \cdot b$ "the inverse of a " # $a \cdot b$ "the inverse of a " # $a \cdot b$ "the inverse of a " # $a \cdot b$ "the inverse of a " # $a \cdot b$ "the inverse of a " # $a \cdot b$ "the inverse of a " # $a \cdot b$ "the cube (cubic) root of a " # $a \cdot b$ "the cube (cubic) root of a " # $a \cdot b$ "the nth root of a " # $a \cdot b$ "x squared" # $a \cdot b$ "x squared" # $a \cdot b$ "x to the $a \cdot b$ " # $a \cdot b$ "x to the power of a " # $a \cdot b$ "x to the power of a " # $a \cdot b$ "10 percent" # $a \cdot b$ "a is not equal to b " # $a \cdot a \cdot b$ "a is not equal to b " # $a \cdot a \cdot b$ "a is not equal to b " # $a \cdot a \cdot b$ "a is not equal to a " # $a \cdot b \cdot b$ "a is not equal to a " # $a \cdot b \cdot b$ "a plus zero is equivalent to a " # $a \cdot b \cdot b$ "a plus zero is equivalent to a " # $a \cdot b \cdot b$ "the sum of $a \cdot b$ from $a \cdot b$ equals 1 to $a \cdot b$ " # $a \cdot b \cdot b$ "the product of $a \cdot b$ if the derivative of $a \cdot b$ with respect to $a \cdot b$ "the product of $a \cdot b$ with respect to $a \cdot b$ "the partial of $a \cdot b$ with respect to $a \cdot b$ "the partial of $a \cdot b$ "the partial of $a \cdot b$ "the partial $a $ | "the difference of a and b " $\begin{array}{ccccccccccccccccccccccccccccccccccc$ |

| | - | _ | |
|-----|---|----|----|
| : ^ | Λ | т. | 20 |
| и. | 4 | _ | /n |
| | | | |

| | ss aim |
|--|--------|
| | |

To know how to read units, the name of elements and substances.

| \sim | | |
|-------------|----|-------|
| C.I | un | utc |
| . 71 | | IIT.S |

| SI units: | |
|---|---------------------|
| Physical quantities | Derived units |
| Time second(s) minute(s) hour(s) day(s) week(s) month(s) year(s) decade(s) century(ies) | m/s km/h m/s² Hz |
| century(ies) | |
| memo | |
| | |
| Things done well / you learned / you felt tough | Ouestions you have |

Poor

Comment:

Completion rate of class aim:

Class: No.: Name:

10 Perfect

| SI units and prefixes | | | | | |
|-------------------------------------|--|---------------|-----------|--------|------------|
| Basic SI Units | Derived Units | <u>Prefix</u> | | | |
| m meter(s) | m/s meter(s) per second | deca | 10^{1} | deci | 10^{-1} |
| kg kilogram(s) | km/h kilometer(s) per hour | hecto | 10^{2} | centi | 10^{-2} |
| s second(s) | m/s ² meter(s) per second squared | kilo | 10^{3} | milli | 10^{-3} |
| A ampere(s) | J joule(s) | mega | 10^{6} | micro | 10^{-6} |
| K kelvin(s) | Hz hertz | giga | 10^{9} | nano | 10^{-9} |
| °C degree(s) celsius, centigrade(s) | | tera | 10^{12} | pico | 10^{-12} |
| cd candela(s) | | peta | 10^{15} | femto | 10^{-15} |
| mol mole(s) | | exa | 10^{18} | atto | 10^{-18} |
| | | zetta | 10^{21} | zepto | 10^{-21} |
| | | yotta | 10^{24} | yocto | 10^{-24} |
| | | ronna | 10^{27} | ronto | 10^{-27} |
| | | quetta | 10^{30} | quecto | 10^{-30} |
| | | | | | |

| Name | Symbol | Atomic# | Name | Symbol | Atomic# | Name | Symbol | Atomic# |
|------------|--------|---------|--------------|--------|---------|---------------|--------|---------|
| Hydrogen | Н | 1 | Niobium | Nb | 41 | Thallium | T1 | 81 |
| Helium | He | 2 | Molybdenum | Mo | 42 | Lead | Pb | 82 |
| Lithium | Li | 3 | Technetium | Tc | 43 | Bismuth | Bi | 83 |
| Beryllium | Be | 4 | Ruthenium | Ru | 44 | Polonium | Po | 84 |
| Boron | В | 5 | Rhodium | Rh | 45 | Astatine | At | 85 |
| Carbon | C | 6 | Palladium | Pd | 46 | Radon | Rn | 86 |
| Nitrogen | N | 7 | Silver | Ag | 47 | Francium | Fr | 87 |
| Oxygen | O | 8 | Cadmium | Cd | 48 | Radium | Ra | 88 |
| Fluorine | F | 9 | Indium | In | 49 | Actinium | Ac | 89 |
| Neon | Ne | 10 | Tin | Sn | 50 | Thorium | Th | 90 |
| Sodium | Na | 11 | Antimony | Sb | 51 | Protactinium | Pa | 91 |
| Magnesium | Mg | 12 | Tellurium | Te | 52 | Uranium | U | 92 |
| Aluminium | Al | 13 | Iodine | I | 53 | Neptunium | Np | 93 |
| Silicon | Si | 14 | Xenon | Xe | 54 | Plutonium | Pu | 94 |
| Phosphorus | P | 15 | Cesium | Cs | 55 | Americium | Am | 95 |
| Sulfur | S | 16 | Barium | Ba | 56 | Curium | Cm | 96 |
| Chlorine | C1 | 17 | Lanthanum | La | 57 | Berkelium | Bk | 97 |
| Argon | Ar | 18 | Cerium | Ce | 58 | Californium | Cf | 98 |
| Potassium | K | 19 | Praseodymium | Pr | 59 | Einsteinium | Es | 99 |
| Calcium | Ca | 20 | Neodymium | Nd | 60 | Fermium | Fm | 100 |
| Scandium | Sc | 21 | Promethium | Pm | 61 | Mendelevium | Md | 101 |
| Titanium | Ti | 22 | Samarium | Sm | 62 | Nobelium | No | 102 |
| Vanadium | V | 23 | Europium | Eu | 63 | Lawrencium | Lr | 103 |
| Chromium | Cr | 24 | Gadolinium | Gd | 64 | Rutherfordium | Rf | 104 |
| Manganese | Mn | 25 | Terbium | Tb | 65 | Dubnium | Db | 105 |
| Iron | Fe | 26 | Dysprosium | Dy | 66 | Seaborgium | Sg | 106 |
| Cobalt | Co | 27 | Holmium | Но | 67 | Bohrium | Bh | 107 |
| Nickel | Ni | 28 | Erbium | Er | 68 | Hassium | Hs | 108 |
| Copper | Cu | 29 | Thulium | Tm | 69 | Meitnerium | Mt | 109 |
| Zinc | Zn | 30 | Ytterbium | Yb | 70 | Darmstadtium | Ds | 110 |
| Gallium | Ga | 31 | Lutetium | Lu | 71 | Roentgenium | Rg | 111 |
| Germanium | Ge | 32 | Hafnium | Hf | 72 | Copernicium | Cn | 112 |
| Arsenic | As | 33 | Tantalum | Ta | 73 | Nihonium | Nh | 113 |
| Selenium | Se | 34 | Tungsten | W | 74 | Flerovium | Fl | 114 |
| Bromine | Br | 35 | Rhenium | Re | 75 | Moscovium | Mc | 115 |
| Krypton | Kr | 36 | Osmium | Os | 76 | Livermorium | Lv | 116 |
| Rubidium | Rb | 37 | Iridium | Ir | 77 | Tennessine | Ts | 117 |
| Strontium | Sr | 38 | Platinum | Pt | 78 | Oganesson | Og | 118 |
| Yttrium | Y | 39 | Gold | Au | 79 | - | - | |
| Zirconium | Zr | 40 | Mercury | Hg | 80 | | | |

memo:

| Today's class aim | |
|--|---------------------------------------|
| To know how to find a paper as a reference of your | research project |
| Main topic (question, problem, complaint, idea etc) | |
| | |
| | |
| | |
| Which area of science match to your topic? | |
| | |
| Keywords to search | |
| : | |
| | |
| | |
| | |
| Title of paper | Rating |
| Title of paper | - Rating |
| | · · · · · · · · · · · · · · · · · · · |
| | <u> </u> |
| | <u>:</u> |
| | <u>:</u> |
| | <u> </u> |
| | <u> </u> |
| Things done well / you learned / you felt tough | Ouestions you have |
| | |
| | |
| | |
| Completion rate of class aim: Poor ① ② ③ ④ Comment: | (5) (6) (7) (8) (9) (10) Perfect |
| | |
| | |
| | |
| | |
| | Team: |
| | |

Class:

No.:

Name:

