Ek Burapa School

G6 Science Semester 1 Final

Name: _____ **Grade: 6 /___** **No: ____**

Subject: Science **Semester 1** **Date: ____ /____ / _____**

(This exam consists of 4 pages) **Score: ____ / 20** *(60 divided by 3)*

A. Please use words from the word box in the spaces below. *(14 marks)*

observation	**adapt**	**camouflage**	**streamlined**	**endangered**
sieve	**coffee grounds**	**sublimates**	**vaporization**	**decanting**
filtration	**technique**	**separation**	**soluble**	

1. The word _____ means to *'look at'* or to *'study closely.'*
2. A synonym for the word 'aerodynamic' (*like a shark or a rocket*) is _____.
3. An animal that is almost ***extinct*** or it's population is *very low* is called _____.
4. Many animals use _____ (*the ability to hide themselves*) like a chameleon.
5. The word _____ means the '*method*' or '*how*' you do something.
6. When you pour hot water over _____, through a filter, you make hot coffee.
7. Substances that turns from ***solids*** into '*liquids*' after being immersed in water is _____.
8. The method of separating small, *insoluble* solids from a liquid is called _____.
9. Pouring a *liquid* into another *liquid*, leaving a solid behind is called _____.
10. Removing something from something else (*even in human relations*) is _____.
11. Heating a liquid until it turns into a gas is called (*like boiling water*) _____.
12. When a substance turns directly from a solid into a gas it _____ (*like dry ice*).
13. A device that lets small items ***drop through holes*** while keeping larger items is a _____.
14. Many living things _____ so they can survive better in their habitat.

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B. *Separation Techniques* – Unit 6

Please write the letter "T" for True, or the letter "F" for False. ***(12 marks)***

a. **Residue** is an insoluble substance **left on the filter paper** after filtration. ____

b. A **sieve** is a device with tiny holes in it. ____

c. **Sifting** is a method of shaking a sieve, like panning for gold nuggets. ____

d. Most scientific experiments *don't* use '*observation*' as part of the process. ____

e. Evaporation (*water during into water vapor*) is very similar to vaporization. ____

f. A substance that does not completely dissolve in a liquid is '*insoluble*.' ____

g. A substance that completely dissolves in a liquid is '*soluble*.' ____

h. Tea leaves completely dissolve when hot water is poured over them. ____

i. Coffee grounds completely dissolve when hot water is poured over them. ____

j. A **mixture** contains more than 1 substance. ____

k. Residue left in a filter may also be called the remaining '*particles.*' ____

l. The word **separation** is often used in human relationships. ____

C. *Electric Circuits* - Unit 6 (*Match the word with the description.*) *(10 marks)*

a. switch ___ 1. Materials that allow current to ***flow easily***.

b. parallel ___ 2. A device that turns electric current ***on*** and ***off***.

c. series circuit ___ 3. An American who ***helped to invent*** electricity.

d. bulb ___ 4. Two lines that run beside each other but ***never*** meet.

e. air conditioner ___ 5. The ***direction*** or ***movement*** of water or electricity.

f. insulators ___ 6. A path of electric current that has ***only 1*** way to go.

g. conductors ___ 7. A device that converts electric energy into ***cool air.***

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h. battery ___ 8. A glass device that turns energy into ***a light source***.

i. flow ___ 9. Materials (things)that ***do not allow*** electric flow.

j. Benjamin Franklin ___ 10. Energy device used in flashlights, toys and cell phones.

D. *Magnets* – Unit 8 Circle the 'letter' of the correct answer. (*10 marks*)

1. All magnets have 2 poles. These 2 poles are termed:

a) North and South *b) East and West* *c) Up and Down*

2. The word 'repel' means:

a) pull towards *b) push away* *c) attach*

3. The word 'attract' means:

a) pull towards *b) push away* *c) dissolve*

4. The shape of many magnets looks similar to a:

a) cow's foot *b) human foot* *c) horseshoe*

5. The area around a magnet is referred to as the:

a) magnetic region *b) the force* *c) magnetic force*

6. The blue pole of a magnet is always the South Pole. The North Pole is the color:

a) red *b) white* *c) yellow*

7. Things that are not affected by magnets are called:

a) non-magnetic *b) magnetic* *c) magnetized*

8. MRI is used in hospitals to look at internal organs of the human body. MRI is:

a) Many Right Items *b) Magnetic Resonance Images* *c) My Right Index*

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9. ***Electromagnets are magnets which are made by passing _____ through them.***

a) water *b) cold air* *c) electricity*

10. ***Scientists consider this item the largest magnet in the world:***

a) Electromagnets in trains *b) the Earth* *c) MRI imaging*

E. ***Separation/Electricity/Magnets*** – Units 6.7,8 Circle 1 word. (*14 marks*)

1. **Magnets have their greatest _____ (***weakness, strength***) at their poles.**
2. **Making an object act like a magnet is called _____ (***magnetizing, empowering***).**
3. **There is only 1 path for the electric current in a _____ (***parallel, series***) circuit.**
4. **It's easier to understand electric circuits using circuit _____ (***diagrams, photos***).**
5. **Magnets can be used to separate small pieces of _____ (***paper, iron***) from sand.**
6. **When an electromagnet is turned on it will _____ (***attract, repel***) magnetic items.**
7. **A _____ (***parallel, series***) circuit can have more than 1 path for electric current.**
8. **Objects that allow electric current through them are _____ (***insulators, conductors***).**
9. **Circuit diagrams use _____ (***icons, symbols***) to identify wires, batteries and switches.**
10. **The symbol for a 'bulb' in a circuit diagram looks like the letter _____ (***X,Z***).**
11. **The word _____ (***precipitation, fallout***) refers to snow, rain, sleet and hail.**
12. **A plastic spoon is _____ (***soluble, insoluble***) in water.**
13. **_____ (***Hibernation, Camouflage***) is sleeping through the cold winter months.**
14. **Filtering, sifting and decanting are often used in our _____ (***kitchens, bedrooms***).**

Final Score ____ /20 *(60 divided by 3)* *Thank you, Teacher Bill*

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