



Sarasas Witaed Bangbon School
Bilingual Programme
Worksheet for Grade 5 Semester 1/2021
Subject: Science

Name Class No

Part A: Multiple Choice:

Choose the correct answer. (Questions 1-12)

- 1 The energy required to move an object is called _____.
A. gravity B. magnetism C. force D. pressure
- 2 It is the product of gravitational force!
A. pressure B. area C. mass D. weight
- 3 A word to describe the space occupied by the air we breathe!
A. wind B. humidity C. air pressure D. atmosphere
- 4 Barometers are used to measure the height above sea level are called _____.
A. air pressure B. barograph C. aneroid barometer D. altimeters
- 5 A barometer that doesn't have mercury is called _____.
A. barometer B. altimeter C. aneroid barometer D. barograph
- 6 Gravity is a _____ force.
A. pushing B. pulling C. strong D. weak
- 7 The movement of the cold and warm air is called _____.
A. wind B. air pressure C. relative humidity D. humidity
- 8 _____ of one hurricane has enough energy to match the nuclear stockpiles of the world.
A. 15 B. 10 C. 5 D. 20
- 9 "Pascal" is a _____ unit in _____ system.
A. pressure – Britain B. force – metric C. pressure – metric D. force – Britain

- 10 The name of destructive strong winds in the Atlantic ocean are _____.
A. tropical cyclones B. tornadoes C. strong wind D. hurricane
- 11 It is often explained as the force applied to an area!
A. force B. density C. pressure D. volume
- 12 The name of destructive strong winds in the Pacific ocean are _____.
A. tornadoes B. hurricanes C. tropical cyclones D. strong wind

Part B: Drag & Drop:

There are 4 main kinds of force being provided in the box below. Study the box and write the type of force for each question from 13-17.

- | | | |
|------------------------|-------------------|---------------|
| A) gravitational force | C) magnetic force | E) weak force |
| B) electric force | D) strong force | |

- 13 "This force holds together the internal structure at the center of an atom" _____
- 14 "Without this force, if we jumped off the ground, we would carry on flying straight out into space" _____
- 15 "This force changes the internal structure of an atom. We see this working in some kinds of radio-active decay" _____
- 16 "This force is about the attraction or repulsion between two objects that carry an electric charge" _____
- 17 "This force is caused by the combined force of sub-atomic particles or the movement of tiny particles called electrons moving through wires as an electric current" _____

Part C: Matching:

Match column A (Vocabularies) to its definition in column B. (Questions 18–25).

Column A		Column B
18 Structure	A	the way something is put together
19 Attraction	B	something that is not solid, usually gases or liquids
20 Fluid	C	the pushing away of one object by another
21 Gravity	D	the pulling towards one object by another
22 Repulsion	E	the relationship between the mass of an object and its size
23 Density	F	existing or happening inside a person or an object
24 Mass	G	the attraction of a smaller body to a larger one
25 Internal	H	the amount of matter in any solid object or in any volume of liquid or gas

Part D: Reading Comprehension:

First, read the passage, and based on the words inside the box, answer the questions 26–45 in the answer sheet. (Only place letters in the answer-sheet)

Force and water pressure

If you heat a fluid in a small space, the molecules wish to move farther apart but are restricted by the volume of the space. This causes a rise in pressure. With gases this rise in pressure is very great. An example of this is when you fire a gun. A rifle bullet travels at 330 meters per second, when it leaves the barrel of a gun.

James Watt discovered that when liquids were being turned into vapor there was a great deal of pressure created, which could be changed into mechanical energy.

He first discovered this when watching a pot of water boil. The lid of the pot kept rising to let out excess pressure created by the boiling water creating steam. From observing this he created the first steam engine.

The oldest form of water created energy uses the turbine principle.

Force and water pressure

If you heat a ____²⁶____ in a small space, the ____²⁷____ want to move farther apart but are limited by the ____²⁸____ of the ____²⁹____. This causes a rise in ____³⁰____.

When we fire a ____³¹____, a rifle bullet travels at ____³²____ meters per second.

James Watt found out that when ____³³____ changed into ____³⁴____ there was a great deal of pressure created, which could be changed into ____³⁵____ energy.

James Watt discovered this when looking at a ____³⁶____ of water boil. The ____³⁷____ of the pot kept rising to let out excess pressure created by the boiling water creating ____³⁸____. Form observing this he created the first steam ____³⁹____.

The oldest form of water created energy uses the ____⁴⁰____ principle.

A steam

E turbine

I space

M gun

B molecules

F liquids

J vapor

N volume

C fluid

G mechanical

K 330

O pot

D engine

H pressure

L lid

26	fluid	34	_____
27	_____	35	_____
28	_____	36	_____
29	_____	37	_____
30	_____	38	_____
31	_____	39	_____
32	_____	40	_____
33	_____		