



ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



Sub: Physical Science

Class: 8

Date: 09.06.20

Duration: 40 min

Worksheet 33

Full Marks: 15

FORCE AND PRESSURE/ PRESSURE IN GASES

Choose the Correct options:

1. The bubble is stable because the atmospheric pressure inside and outside is
 - A. equal
 - B. different
 - C. lesser
 - D. more
2. The density of mercury is
 - A. 13.6 times of water
 - B. 12 times of water
 - C. 10 times of water
 - D. 20 times of water
3. The Earth is surrounded by a cover of air called
 - A. gravity
 - B. energy
 - C. ozone
 - D. atmosphere
4. Low pressure will usually bring what kind of weather?
 - A. Sunny
 - B. Calm
 - C. Stormy
 - D. Vacuum
5. High pressure will usually bring what kind of weather?
 - A. Good
 - B. Bad
 - C. Both Good and Bad
 - D. None
6. What is the instrument called that measures air pressure?
 - A. thermometer
 - B. ruler
 - C. yard stick
 - D. barometer
7. Moving air is called _____.
 - A. mud
 - B. wind
 - C. rain
 - D. sunshine
8. If a leaf blows up in the air where is there more air pressure?
 - A. Under the leaf
 - B. Above the leaf
 - C. To the right of the leaf
 - D. To the left of the leaf
9. Sydney keeps blowing up a balloon until it pops. Where was there more pressure?
 - A. Inside the balloon
 - B. Outside of the balloon
 - C. On top of the balloon

- D. Equal pressure everywhere
10. What instrument do you use to measure relative humidity?
- A. barometer
 - B. psychrometer
 - C. wind mill
 - D. weather vane
11. Earth's atmosphere is pressuring each square inch with a force of _____.
- A. 6.67 kg per square inch
 - B. 14.7 kg per square inch
 - C. 10.9 kg per square inch
 - D. 24 kg per square inch
12. Amount of mass in a given volume of air
- A. Altitude
 - B. Density
 - C. Humidity
 - D. Atmosphere
13. Which sentence is false.
- A. Air has mass because it is composed of atoms and molecules.
 - B. Because air has mass, it has density and pressure.
 - C. The more molecules in a given volume of air, the greater its density.
 - D. The greater the density of air, the less pressure
14. Which is true?
- A. Air pressure is higher at high altitudes.
 - B. Density of air is greater at high altitudes.
 - C. The percentage of oxygen in the air is lower at high altitudes.
 - D. The amount of oxygen in each breath is less at high altitudes.
- 15.. Sucking a drink through a straw ... where is there more pressure?
- A. Going out of the straw
 - B. Going inside of the straw
 - C. Equal pressure
 - D. No pressure