

PRESSURE

Use the resources on Mr. Hanna's website to complete the following assignment.

VOCABULARY:

- 1) PRESSURE –
- 2) FLUID –
- 3) ATMOSPHERIC PRESSURE –
- 4) BERNOULLI'S PRINCIPLE –
- 5) BUOYANT FORCE –
- 6) ARCHIMEDES' PRINCIPLE -

SHORT ANSWER:

- 7) What types of substances would be considered a "fluid"?

- 8) Why does atmospheric pressure drop when you go to a higher elevation (like climbing a mountain or flying in an airplane?)

- 9) What is responsible for sucking your shower curtain in when you take a hot shower?

- 10) Why do deep-sea divers need to wear special equipment to help them breathe and avoid being crushed?

- 11) How is the concept of density important in determining whether an object sinks or floats in a fluid?

- 12) How does the buoyant force determine if an object will sink or float in a fluid?

- 13) According to Archimedes' Principle, what must a boat do in order to float in water?

- 14) Why does a tennis ball float lower in the water than a beach ball?

