Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Pd: 3 **Week8** Distance Learning

**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:**

1. What types of substances would be considered a “fluid”?
2. Why does atmospheric pressure drop when you go to a higher elevation (like climbing a mountain or flying in an airplane?
3. What is responsible for sucking your shower curtain in when you take a hot shower?
4. Why do deep-sea divers need to wear special equipment to help them breathe and avoid being crushed?
5. How is the concept of density important in determining whether an object sinks or floats in a fluid?
6. How does the buoyant force determine if an object will sink or float in a fluid?
7. According to Archimedes’ Principle, what must a boat do in order to float in water?
8. Why does a tennis ball float lower in the water than a beach ball?