Chapter 5 Extra Practice Questions

Try to answer these questions without using your textbook, or your notes.

1) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is the amount of gravity pushing down on an object.

2) What word would you use to describe the maximum amount a container can hold?

3) What word would you use to describe the amount of matter in a substance?

4) What force pulls objects to the centre of the Earth?

5) What is force?

6) If you place an object in a liquid, and it remains suspended in the liquid (neither floating nor sinking), what kind of buoyancy does it have?

10) If you place an object into an already full cup, and it overflows, what happened to the water the overflowed? What term would we use?

11) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ refers to how much of a substance is in a container.

12) A cruise ship can float in water because its \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is less than that of the water.

13) True or False: The fact that the amount of liquid displaced from a container weighs the same amount as the object that displaced it is known as Archimedes’ principle.

14) What term refers to the tendency to rise or float in air?

15) What is buoyant force?

16) Give an example of:

a) Gravity at work \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

b) Force exerted on an object \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

c) An object with high density \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

17) What is the difference between volume and capacity?

18) What is average density?