

# Science 8

## TOPIC 5: Density (p50- 57)

### ASSIGNMENT due: Monday October 20th

1. In your own words what is density?
2. In scientific words what is density?
3. Write a sentence about density that uses these words: solid, greater, less, gas, liquid, denser (you may use the words more than once).
4. Using your knowledge of the particle models of matter and density, why is it easier to run through air than water?
5. As temperature increases substances will move from \_\_\_\_\_ to \_\_\_\_\_ to \_\_\_\_\_.
6. Particles in a gas hold each other more/less tightly than in a liquid. Particles in a solid hold each other more/less tightly than in a liquid.
7. What is mass?
8. What is volume?
9. What is weight?
10. Fill in all the blanks including the open brackets [( )]!

Substance	Mass ( )	Volume ( )	Density ( )	Gravity ( )	Weight ( )
1	10	10			
2	15	5			
3	45	9			
4	26	4			