

# Chapter 5 Matter is made up of moving particles: Name: \_\_\_\_\_

First read pg. 116

The Particle Model of Matter 5.1 pg. 117

1. What did Democritus suggest more than 2000 years ago?( 2 marks)

2. Provide in proper detail, the Particle model of matter:( 4 marks)

3. Using details from the book, describe a:( 2 marks each)

A. Solid:

B. Melting:

C. Freezing:

D. Liquid:

E. Evaporation:

F. Condensation:

G. Gas:

4. a) What is sublimation?

b) Neatly and clearly provide an example.

5. After reading the bottom of page 119 and 120 fill in the following with the correct answers:

State	Fixed Mass?	Fixed Volume?	Fixed Shape?
solid			
liquid			
gas			

6. Explain what happens to particles of matter in each situation using the space provided.  
Are particles moving faster or slower? Are they getting farther apart or closer together?

Butter is warmed on a stove	
Water vapour cools and forms raindrops	
Liquid wax hardens	
Water boils	
Frost forms on a window	

Watch Youtube film: Matter Compilation Crash course ( <https://www.youtube.com/watch?v=wyRy8kowsM8> )