

SI Session: Chapters 3 and 4

1. Describe the Kelvin scale:

2. Define and give an example for the following:

term	definition	example
Temperature		
Heat		
Calorie		
Joule		
Specific Heat capacity		

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3. What is the difference between a large and small calorie?

4. Specific heat problems:

- a. A 12kg pot of water is heated from a temperature of 63 degrees K to 120 degrees K. Determine the heat capacity of the pot of water.

5. Define the following:

term	definition	example
Law of conservation of mass		

Law of definite proportions		
Law of multiple proportions		
Atomic Mass Unit		

6. Who created the Atomic Theory, What does it state?

7. Who discovered the electron?

8. What was the plum pudding model, draw an example?

9. Who discovered the nuclear theory of an atom, what does it state?

10. What are the 3 subatomic particles?