

Integrated Science
Summative Assessment

MATTER

I. Choose the correct answer.

1. How many kinds of atom are there in an element?

☐ a. three

☐ b. two

☐ c. one

2. Where can we find the complete list of elements?

☐ a. periodic table

☐ b. conversion chart

☐ c. element table

3. Which of the following best describes a metal?

☐ a. Dense, shiny, malleable, ductile, good conductors of heat and electricity

☐ b. Some are shiny, some are dull, some are good conductors, some are malleable

☐ c. Dull, brittle, poor conductors of energy

4. Fruits juices, milk, and vinegar are acids. Which is not an example of acid?

☐ a. tomato

☐ b. bleach

☐ c. soft drinks

5. What do we use to test the acidity of a solution?

☐ a. litmus paper

☐ b. art paper

☐ c. scientific paper

II. Complete the table by providing the missing data. Use the Periodic Table of Elements attached on your Google Classroom assignment.

Group	Period	Symbol	Element	Metal, Non-metal, or Metalloid
8	6			
14			Germanium	

	5	Tc		
17		Cl	Chlorine	
	5	Xe		

III. Using the pH scale, answer the following questions. Type your answer in the box.



1. What is the pH level of a neutral substance?

2. What substance has a neutral pH?

3. Which substance is the most basic?

4. Which substance is the most acidic?

5. Which is more acidic- milk or blood?

6. What is the lowest pH level of a base?

7. What is the lowest pH level of an acid?

8. What is the highest pH level of a base?

9. What is the highest pH level of an acid?

10. Which is more basic- baking soda or soap?