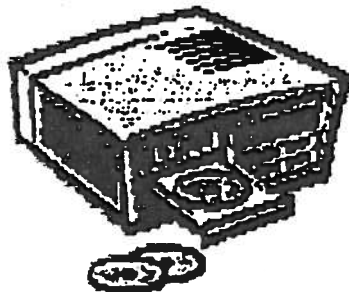


SNC 1D0 - Types Of Matter Worksheet

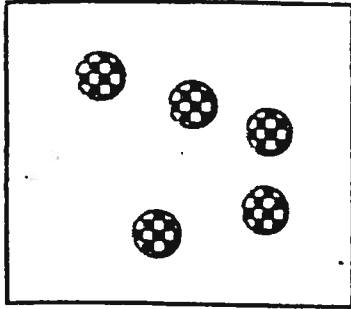
Answer the following questions by looking at the diagrams on the previous page. If none of the samples fit the description, write the word none in the blank.

- Which samples of matter are examples of pure substances? _____
Why?
2. Which samples of matter are examples of mixtures? _____
Why?
3. Which samples of matter are examples of elements? _____
Why?
4. Which samples of matter are examples of compounds? _____
Why?
5. Which sample of matter is a mixture of elements only? _____
6. Which samples of matter contain molecules having four atoms in them? _____
7. Which samples of matter contain three different types of molecule? _____
8. Which samples of matter contain only molecules made up of five atoms? _____
9. Which samples of matter contain two kinds of molecule but only one element and one compound? _____
10. Which samples of matter are elements made up only of individual atoms? _____
11. Which samples of matter are elements made up of more than one atom? _____
12. Which samples of matter are compounds made up only two elements? _____
13. Which samples of matter are mixtures made up of two substances? _____
14. Which samples of matter contain molecules having five atoms in them? _____
15. Which samples of matter contain molecules having three atoms in them? _____
16. Which samples of matter are mixtures made up of three compounds? _____
17. Which samples of matter are mixtures made up of three substances? _____
18. Which samples of matter are mixtures made up of two elements and a compound? _____
19. Which samples of matter contain only three different kinds of molecules? _____
20. Which samples of matter are mixtures made up of two compounds and an element? _____
21. Which samples of matter are mixtures made up of one element and one compound? _____
22. Which samples of matter are compounds made up of three elements? _____
23. Which samples of matter contain molecules made up of four atoms? _____
24. Which samples of matter contain only molecules made up of two atoms? _____
25. Which samples of matter are mixtures made up of one element and one compound? _____
26. Which samples of matter contain only molecules made up of three atoms? _____
27. Which samples of matter are mixtures made up of three elements? _____

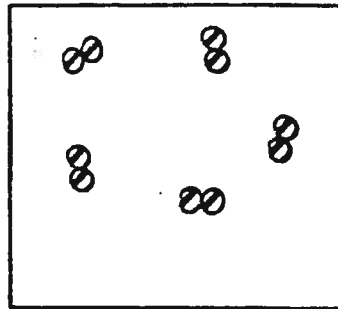


SNC 1D0 - Types Of Matter Worksheet

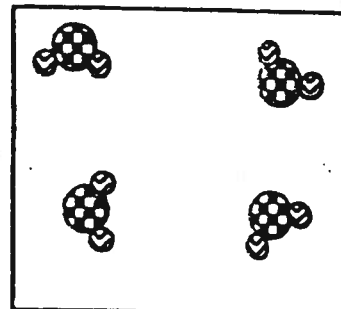
Refer to the following diagrams of different samples of matter when answering the questions on the next page.



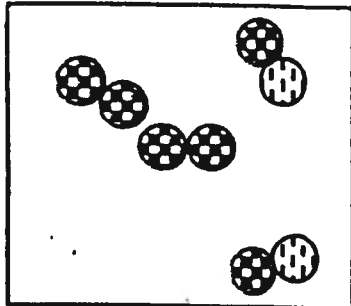
Sample A



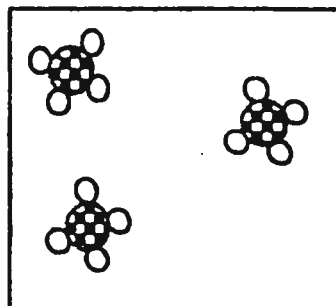
Sample B



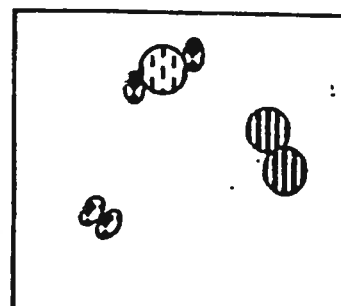
Sample C



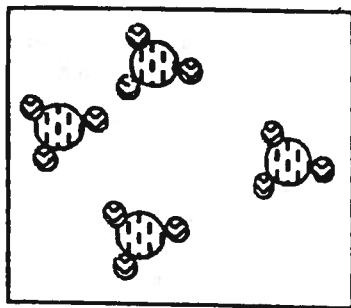
Sample D



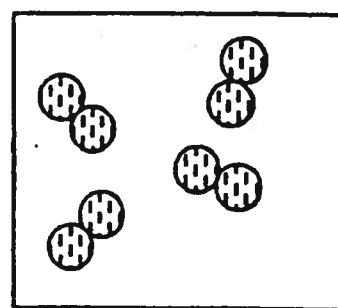
Sample E



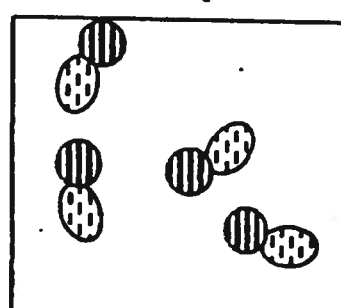
Sample F



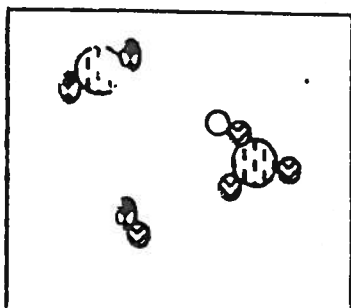
Sample G



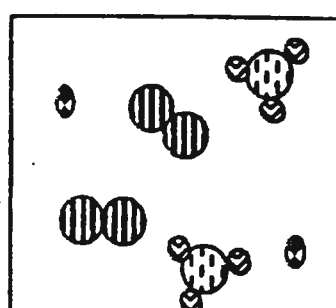
Sample H



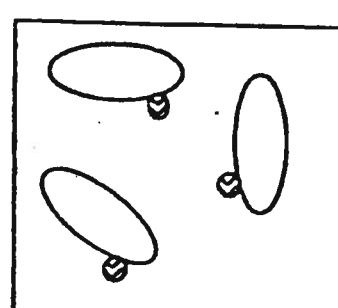
Sample I



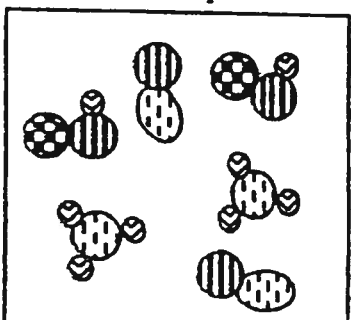
Sample J



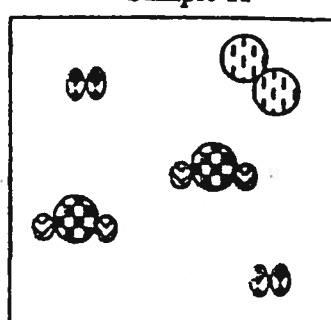
Sample K



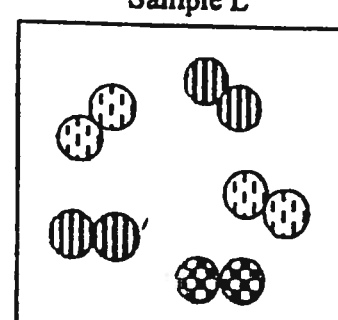
Sample L



Sample M



Sample N

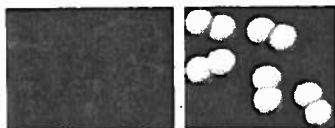


Sample O

Classifying Matter Worksheet

Classify the following matter as a homogeneous mixture, heterogeneous mixture, element or compound. **Include a reason** for each of your answers.

MATTER	Mixture or Pure Substance	Homogeneous, Heterogeneous, Element or Compound	REASON
1. Hot chocolate with marshmallows			
2. Cheerios with milk			
3. Kool Aid			
4. Table Salt (NaCl)			
5. Sodium metal (Na)			
6. Oxygen gas (O ₂)			
7. Air			
8. Pure Water (H ₂ O)			
9. Tap Water			
10. Gold (Au)			



Classifying Matter Diagrams



If every circle represents an atom, Classify the following as.

- Element or Compound, and
- Mixture or Pure Substance.

1 	2 	3 	4
5 	6 	7 	8
9 	10 	11 	12
13 	14 	15 	16
17 	18 	19 	20