

Worksheet – I:

I. Match the following?

| | |
|----------------|----|
| 1. HYDROGEN | F |
| 2. CALCIUM | Fe |
| 3. FLUORINE | O |
| 4. NITROGEN | Li |
| 5. IRON | H |
| 6. OXYGEN | He |
| 7. MAGNESIUM | Ca |
| 8. LITHIUM | Na |
| 9. SODIUM | N |
| 10. BERYLIUM | Mg |
| 11. CARBON | Ne |
| 12. HELIUM | P |
| 13. ALUMINIUM | Be |
| 14. NEON | Al |
| 15. PHOSPOROUS | C |

II. Fill in the blank with the correct word.

1. Chemistry is a field of science that studies the structures, _____, compositions and interactions between _____.
- 2.
3. There are a lot of chemicals commonly used in our daily life such as:
 - a) _____ to preserve food and has sour taste
 - b) _____ is an antiseptic to kill bacteria
 - c) _____ as a painkiller to treat aches and pain
 - d) _____ used to provide additional nutrients to the plants
 - e) _____ is a powerful cleanser to break up dirt in clothing

III. Name the apparatus given below:



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III. Compare between metals, nonmetals and metalloids using the following keywords:

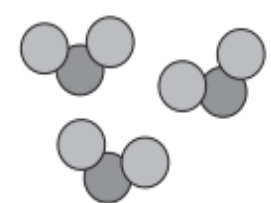
(Luster – Dull – Usually have luster - Good conductor– Semiconductor – Poor conductor – Malleable and Ductile – Soft and Brittle – Can be hard or soft – All solid except Mercury – Most of them are gases – All of them are solid)

| | Metals | Metalloids | Non-Metals |
|--|--------|------------|------------|
| <div style="background-color: #ccc; padding: 5px; display: inline-block; border: 1px solid #000;">Luster / Dull</div> <div style="font-size: 2em;">➔</div> | 1..... | 1..... | 1..... |
| <div style="background-color: #ccc; padding: 5px; display: inline-block; border: 1px solid #000;">Malleable/Ductile</div> <div style="font-size: 2em;">➔</div> | 2..... | 2..... | 2..... |
| <div style="background-color: #ccc; padding: 5px; display: inline-block; border: 1px solid #000;">Soft/ Brittle</div> <div style="font-size: 2em;">➔</div> | 3..... | 3..... | 3..... |
| <div style="background-color: #ccc; padding: 5px; display: inline-block; border: 1px solid #000;">Conductivity</div> <div style="font-size: 2em;">➔</div> | 4..... | 4..... | 4..... |
| <div style="background-color: #ccc; padding: 5px; display: inline-block; border: 1px solid #000;">State of elements</div> <div style="font-size: 2em;">➔</div> | 4..... | 4..... | 4..... |

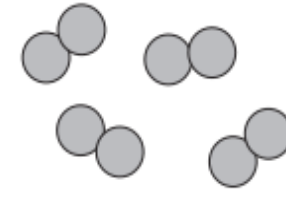
Element, Compound or Mixture

1. State whether each substance below is an element, a compound or a mixture.

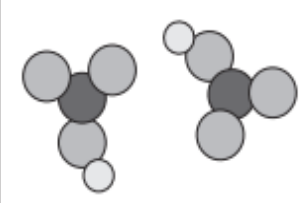
carbon dioxide



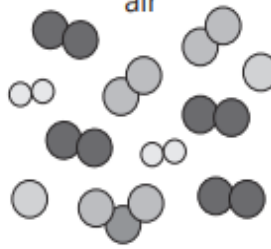
oxygen



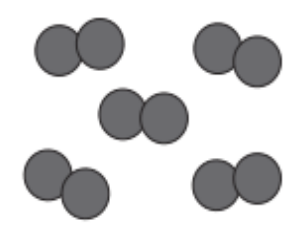
nitric acid



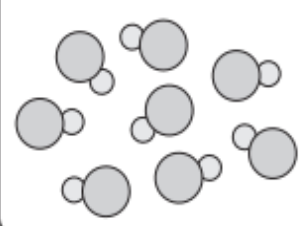
air



nitrogen



hydrochloric acid



2. Complete the definitions using words from the box below.

An **element** is made up of _____ type of atom.

A **compound** is made up of _____ different atoms,
_____ together.

A **mixture** is made up of _____ different atoms,
_____ together.

two or more two or more only one not chemically joined chemically joined

Elements or compounds?



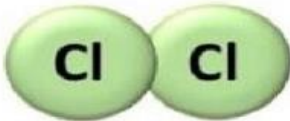
Molecule of hydrogen chloride



Molecule of hydrogen



Molecule of oxygen

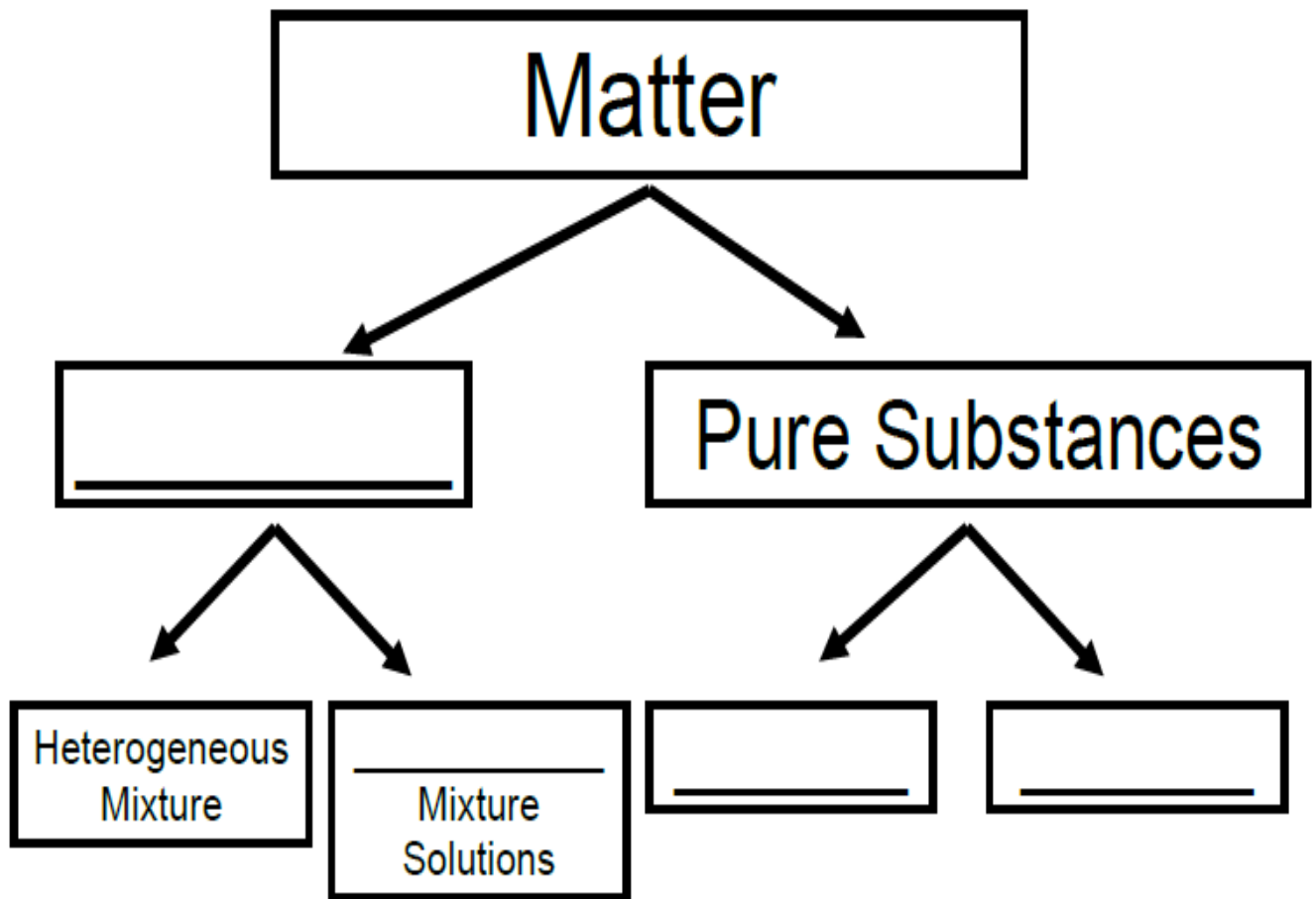


Molecule of chlorine

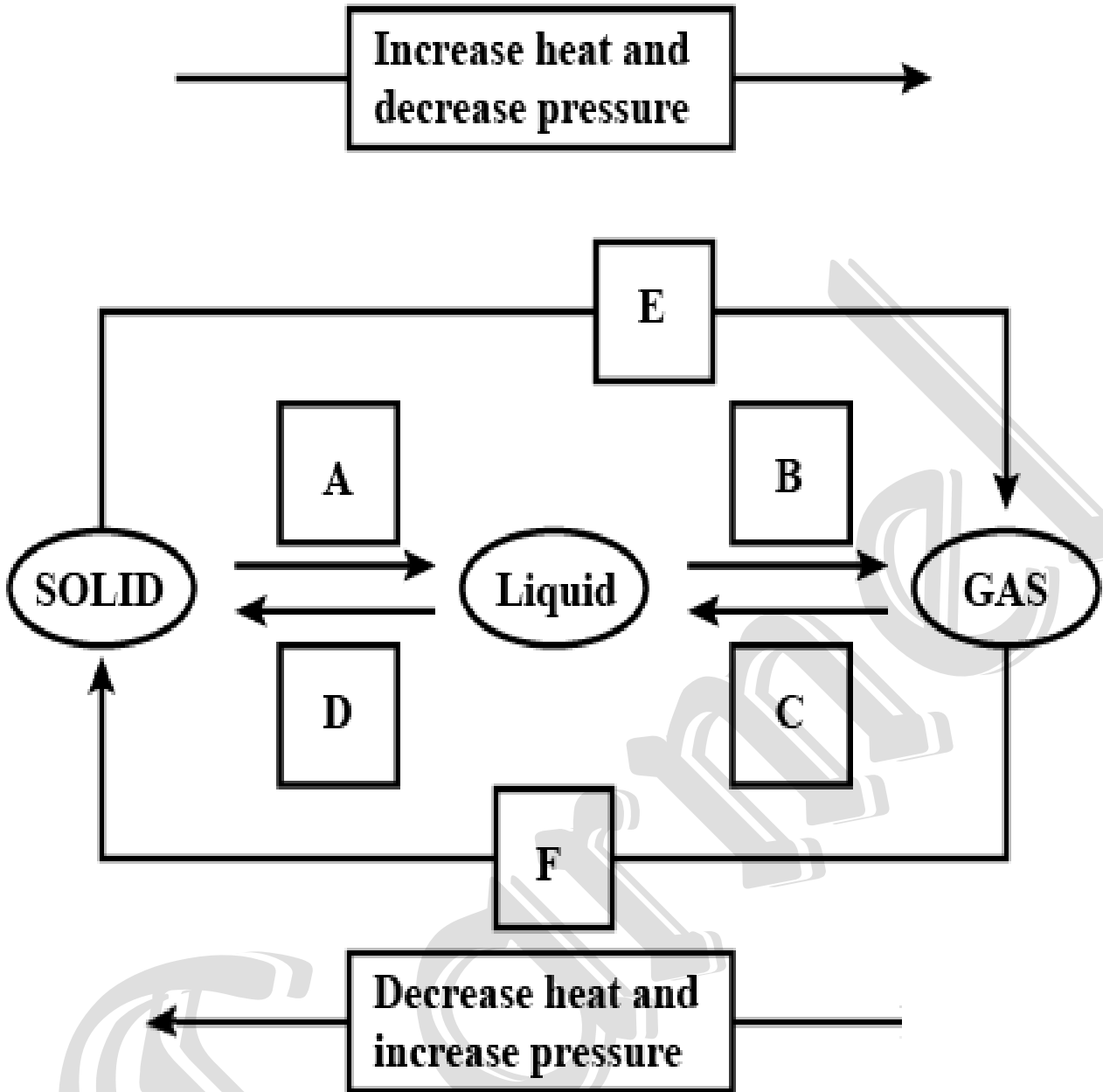


Molecule of water

Complete the concept map



Worksheet – 4



Identify

A: _____

B: _____

C: _____

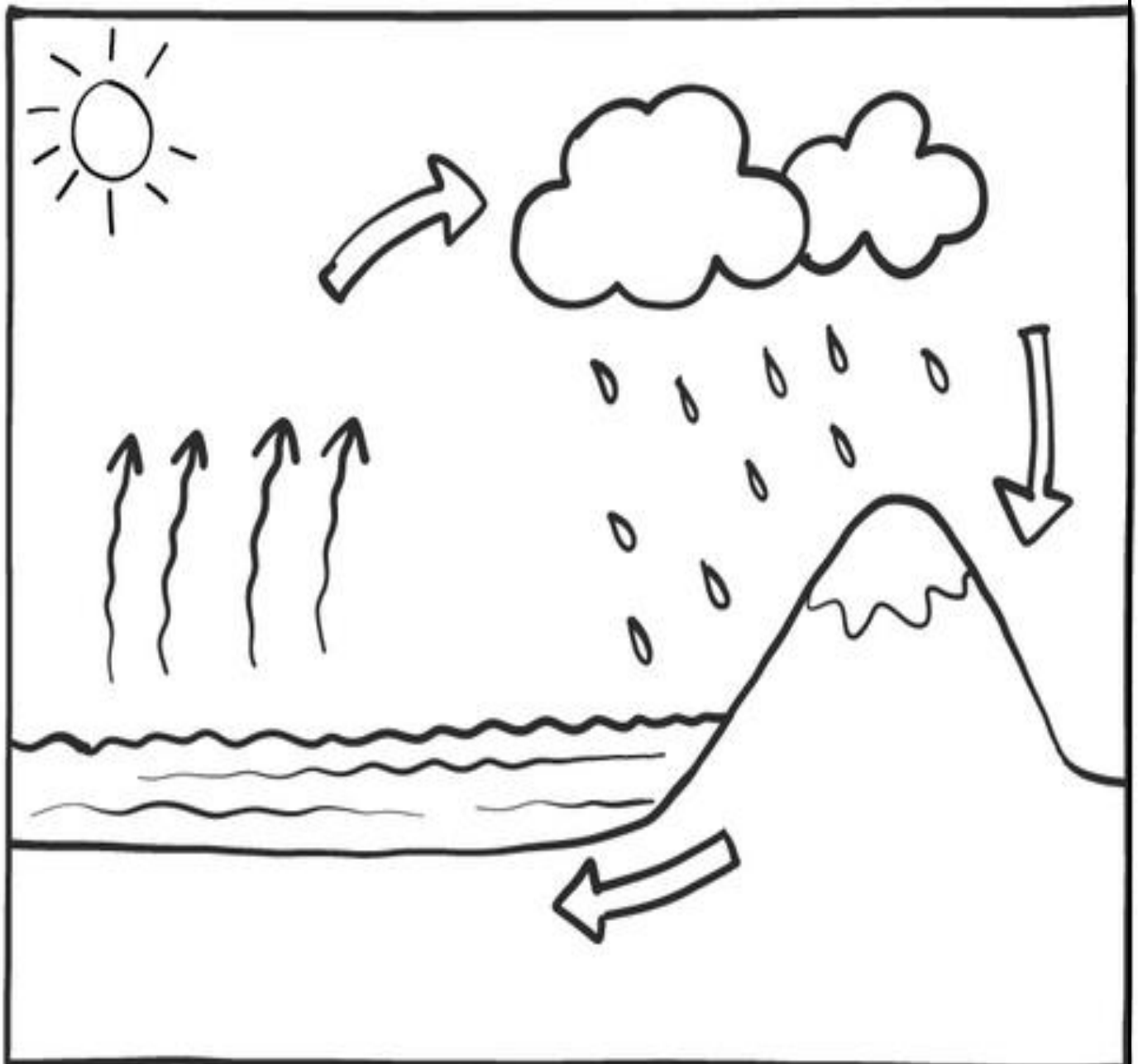
D: _____

E: _____

F: _____

The Water Cycle

Color and complete the cycle with these words:
Precipitation, Collection, Evaporation and Condensation



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Rain, snow and sleet from rain clouds

Water running from land into the ocean

Sun heats the waters and dries it up

Water vapor in the atmosphere turns to water