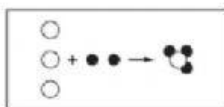


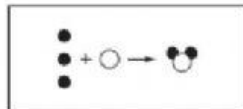
## ACTIVITY 2:

1.

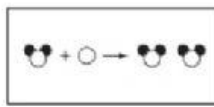
A:



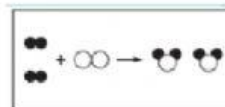
B:



C:



D:



2.

| Liquid      | Density(g/cm <sup>3</sup> ) |
|-------------|-----------------------------|
| Acetic acid | 1.05                        |
| Ammonia     | 0.82                        |
| Chloroform  | 1.49                        |
| Glycerine   | 1.26                        |
| Seawater    | 1.02                        |
| Turpentine  | 0.87                        |
| Water       | 1.00                        |

Which substances will float on water?

A: Glycerine and Turpentine

B: Chloroform and Glycerine

C: Ammonia and Turpentine

D: Seawater and Acetic acid

3. What atoms combine to make up a molecule of water?

A: 1 hydrogen, 1 oxygen      B: 1 hydrogen, 2 oxygen

C: 2 hydrogen, 1 oxygen      D: 2 hydrogen, 2 oxygen

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4. The atomic mass is equal to which two items listed below?

A: Protons      B: Neutrons      C: Electrons      D: Atom

=====

5. A chemical reaction that releases energy is called \_\_\_\_\_ and a chemical reaction that absorbs energy is called:

A: exothermic; endothermic      B: endothermic; exothermic

C: exothermic; accumulative      D: liberal; endothermic

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6. What is a control group?

A: The part of the experiment that stays the same.

B: The group that does not received the tested variable.

C: The group that does receive the tested variable.

D: The results of the experiment.

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7. A student is measuring the volume of a screw.  
He started with 48 mL of water in a graduated cylinder.  
When the screw is dropped into the graduated cylinder the water level rose to 57mL.  
The mass of the screw is 4 grams.  
What is the volume of the screw?

A: 9 mL                      B: 105 mL                      C: 2.25 mL                      D: 14.25 mL

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8. If I wanted to find the mass of an object which instrument would I use?

A: thermometer                      B: triple beam balance                      C: flask                      D: beaker

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9. What is the dependent variable for the experiment, "Does colour affect how much heat is absorbed?"

A: the amount of light                      B: the colours                      C: the heat absorbed                      D: the type of material used

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10. Body systems work together to maintain \_\_\_\_\_.

A: homeostasis                      B: cellular diffusion                      C: nervous energy                      D: gas exchange

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