

Name: _____

Date: _____

Period: _____

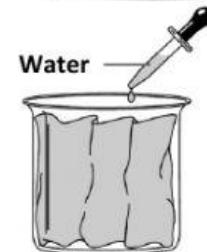
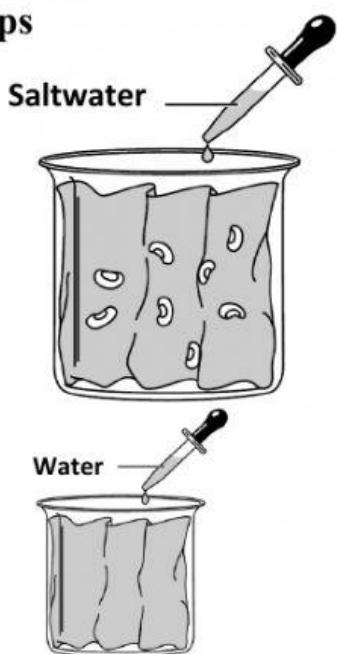
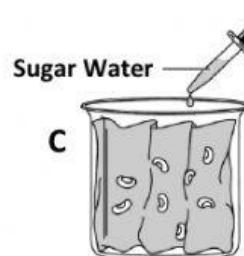
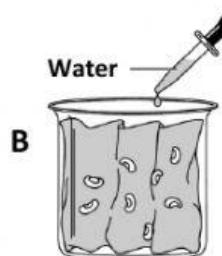
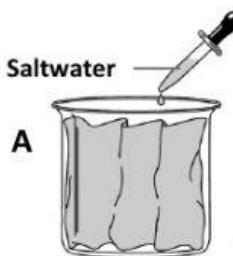
Homework: Combustion and Control Groups

The setup to the right shows one of the trials in an experiment to determine how salt affects the germination of beans.

1. What is the independent variable? _____

2. What are the constants? _____

3. Which of the following setups should be used as the control? -



4. Combustion can occur when which element is present? (Circle your answer.)

1
H
1.008 Hydrogen

6
C
12.011 Carbon

7
N
14.007 Nitrogen

8
O
15.999 Oxygen

15
P
30.974 Phosphorus

Use your notes to fill in the following blanks.

Energy is often released or absorbed in the form of _____.

Remember: The root for heat is _____.

- A reaction where heat is **absorbed** is called an _____ reaction.
(When heat is being absorbed by substances, they will feel _____.)
- A reaction where heat is **released** is called an _____ reaction.
(When heat is being released by substances, they will feel _____.)

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5. Does this picture show an endothermic reaction or an exothermic reaction?



THERE ARE 3 WAYS TO STOP A FIRE

1. GET RID OF THE FUEL



How can firefighters use fire to stop a forest fire?

2. REMOVE THE OXIDANT

Explain how a fire extinguisher works.



Why does putting a fire on a blanket put out the fire?

3. REMOVE THE HEAT

Why does putting water on a fire make the fire go out?



Balance the following combustion reactions:

