

# Properties of Matter

Physical Science

Ch. 2 Catalysts

# Notebook/Binder Checks

- This check: 9/21,22,26,28 (Must be labeled with dates! All questions must be answered for full credit.) (3pts each)

Concept Map or notes on Composition of Matter (10pts) – Glue or staple these to notebook or have a notes section in binder and turn in!

States of Matter Chart/Notes (8pts)

# Future Checks

- Labels!! (Dates for Catalysts) What are we looking at?
- Organization-
- New tab or section for each chapter!
- NAME ON STUFF!
- If absent: must make up catalyst as review before test for credit.
- Binder: sections-notes/current chapter, old chapter, graded work. KEEP EVERYTHING!
- Syllabus is last page!

# Graphing Practice 10/5

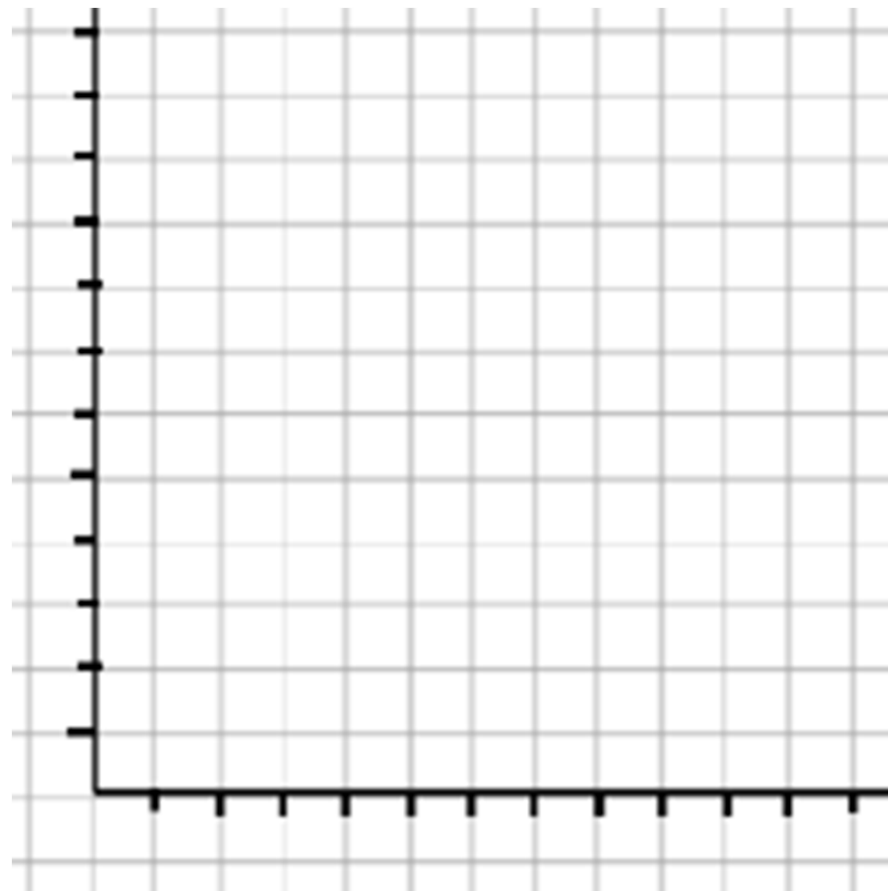
1. What axes is the independent variable graphed on?  
Dependent variable?

- For each experiment described below write the independent and dependent variables on the appropriate axes. Include units when appropriate.

2. A ball is dropped from several distances above the floor in meters and the height it bounces is then measured in centimeters.

3. A candle was burned under glass jars of different volumes (in mL) to see if the volume of the jar affects the length of time (in seconds) the candle burns.

4. A fisherman used fishing lines of several different gauges (test pounds) and recorded the number of fish caught on each gauge.



# Catalyst 10/6

- Vocab Foldable (should be in your binder 1<sup>st</sup> tab “current Work”)
- Include: physical property, physical change, chemical property, chemical change.
- Write the definitions for each with an example.

# Catalyst 10/7

1. Add the Law of Conservation of Mass (and its definition) to your vocab foldable. Also fill in the definitions from yesterday.
2. Compare and contrast a physical and chemical change. Provide an example of each.
3. What are “clues” or indicators of a possible chemical change.

Candle Demo: Was the candle a physical or chemical change?

# Catalyst 10/12

1. Why does the density of a substance remain the same for different amounts of the substance?
2. Explain why burning is chemical change in wood.
3. What are the three states of matter?
4. How do the states of matter differ?



# Catalyst 10/13

- Add the following words and definitions to your foldable:

Freezing, freezing point, heat of fusion, melting, melting point, vaporization, boiling, boiling point, evaporation, heat of vaporization, condensation, sublimation

# Catalyst 10/19

1. What is temperature?
2. What is boiling point?
3. What factors affect the boiling point of a substance?

# Catalyst 10/20

1. What is a physical property?
2. List possible physical properties of a substance.
3. What is a chemical property?
4. List possible chemical properties of a substance.