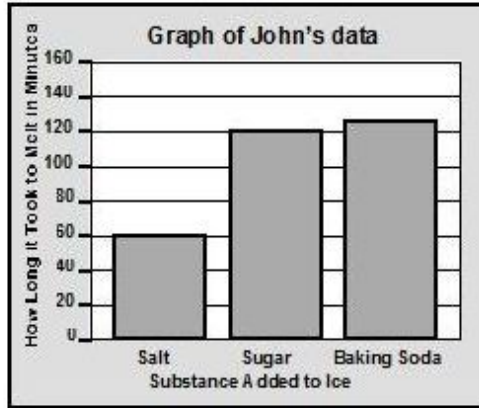


# Science Exit Cards

1st 9 Weeks 2015-2016

# Monday, September 14

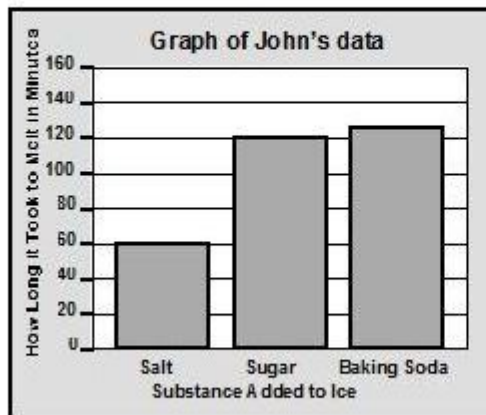
Last winter, John saw his mother sprinkle a white substance on the ice on their sidewalk. She told him that it helped melt the ice. John wondered what it was. He poured water in 3 bowls to make 3 solid blocks of ice. On one block he sprinkled 25 grams of salt. On the other block, he sprinkled 25 grams of sugar. On the last block of ice, he sprinkled 25 grams of baking soda. He measured how long it took the ice to melt.



Which of the following is the independent variable?

# Tuesday, September 15

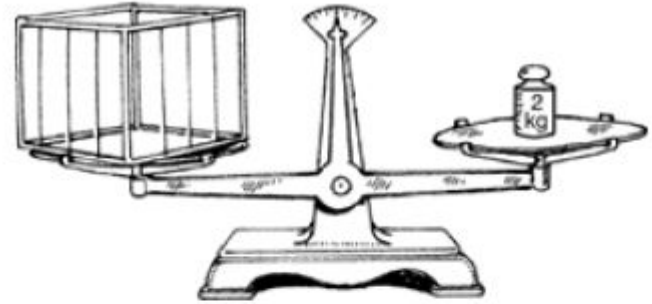
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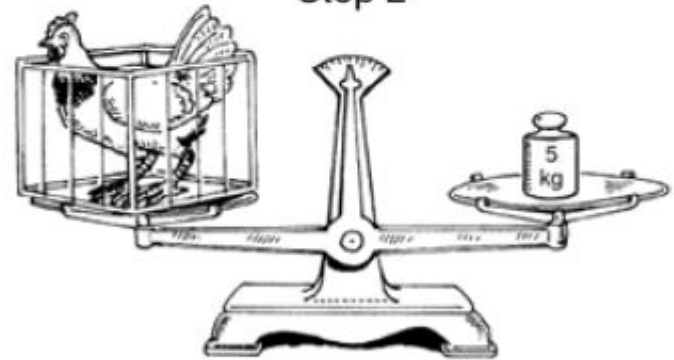
Which of the following is the dependent variable?

Wednesday, September 16

Step 1



Step 2



21. (2001-19) Amanda studied the mass gain in chickens for her science project. Which of these is the **mass** of this chicken?

# Thursday, September 17

Based on the bird of prey key, which bird is shown in the picture?

- Golden eagle
- Bald eagle
- Owl
- Vulture



## Adult Bird of Prey Key

- 1a Bill straight ..... Not a bird of prey
- 1b Bill curved and sharp ..... Go to 2
- 2a Both eyes on front of head ..... Owl
- 2b Eyes on sides of head ..... Go to 3
- 3a Feathers on head ..... Go to 4
- 3b No feathers on head ..... Vulture
- 4a Feathers on head are all dark ..... Golden Eagle
- 4b Feathers on head are all white ..... Bald Eagle

Monday, September 28

All matter is made up of \_\_\_\_\_

The smallest part of an element is \_\_\_\_\_

# Matter Building Activity

You and your group will create a model of the matter using boxes, newspaper, plastic bags, bottle caps, play dough...

Follow this rubric for creating your model.

You **MUST** create a model of an atom and a model of a molecule of a compound.

Model of **atom** and molecule of a compound correct and labeled (**protons, neutrons, electrons (only for atom)**), **name of matter**(for both atom and compound) \_\_\_\_\_/60

Group members names on the project \_\_\_\_\_/10

Model is accurate and NEAT \_\_\_\_\_/30

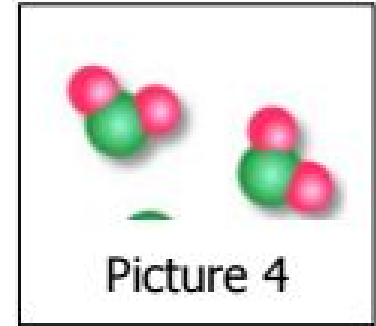
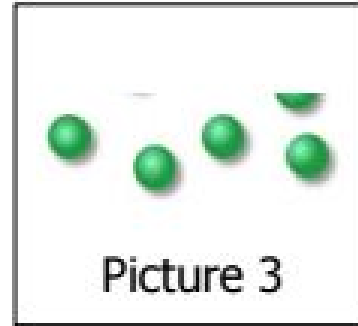
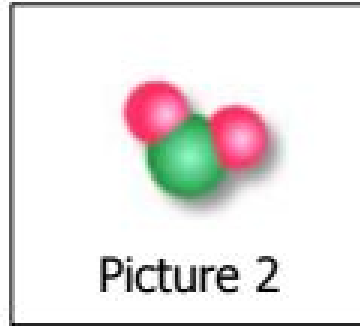
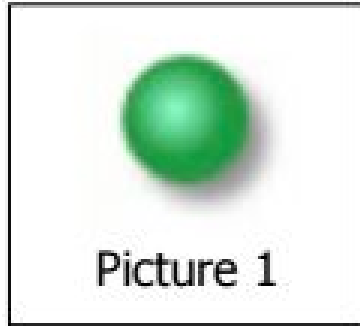
Tuesday, September 29

The smallest part of a compound is \_\_\_\_\_

Water ( $H_2O$ ) is an example of \_\_\_\_\_

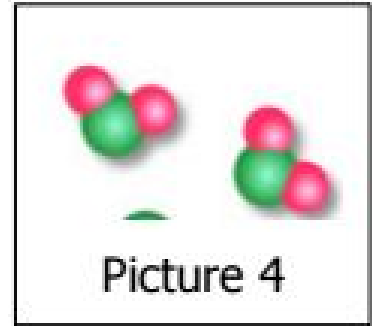
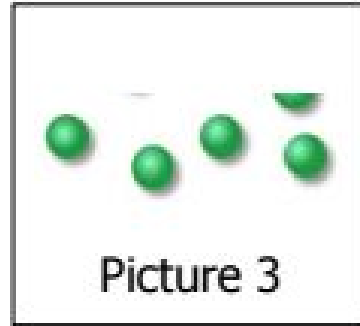
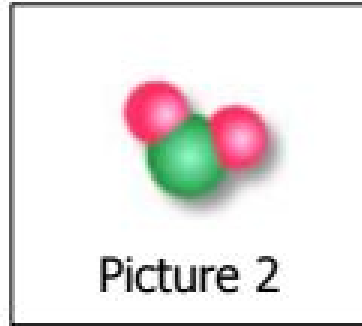
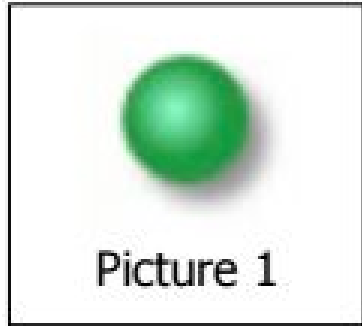


Wednesday, September 30



Which picture represents a single atom?

Thursday, October 1



Which picture represents a molecule?

Monday, October 12

19. Which of these is a mixture?

(2006-13)

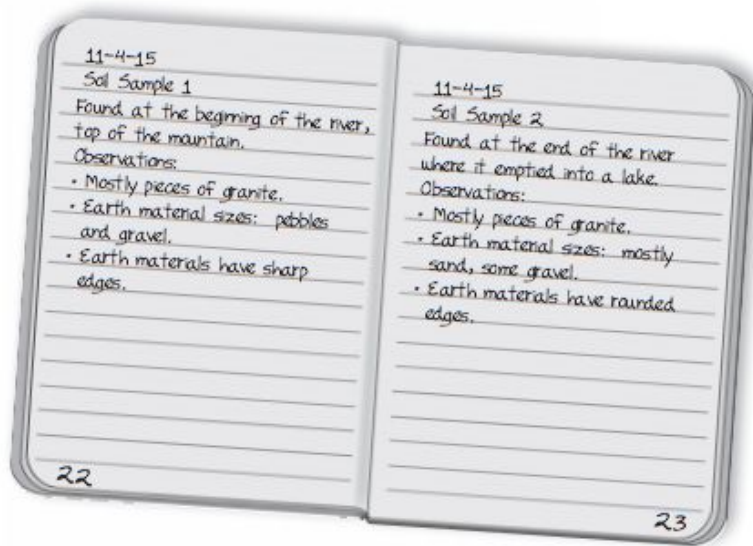
- a. Salt
- b. Water
- c. Lemonade
- d. Sugar

explain why!!!!

# November 16

## Response Sheet—Investigation 1

A soil scientist collected two samples of soil from a river that is 10 km long. Here is what she wrote in her notebook about the samples.



Explain why she found the same kind of rocks in both places, but saw differences in the size and shape of the rocks.

November 17

How are rocks affected by acid rain?

November 18

How do weathered rock pieces move from one place to another?

# December 8, 2015

Mineral Chart

Mineral	Color	Transparency	Luster	Hardness
Gold	gold-yellow, brass-yellow, pale yellow	opaque	metallic	2.5 to 3
Pyrite	pale yellow to brass-yellow	opaque	metallic	6 to 6.5

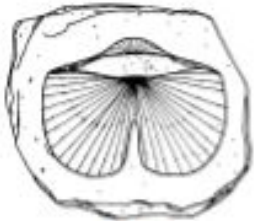
73. (2011-27) Based on the information in the table, the best way to tell gold from pyrite is by which property?
- a. Color
  - b. Transparency
  - c. Luster
  - d. Hardness

Explain why you chose your answer.

# December 9, 2015

17. Rocks which formed in areas once covered by oceans often contain fossils of animals which lived in the sea. Which one of these rocks contains fossils of ocean animals?

(2001-37)



**A**



**C**



**B**



**D**

Choose the best  
answer and explain  
why



# December 15 Activity- Ocean Floor Project

You and your group will create a 3D model of the ocean floor using boxes, newspaper, plastic bags, bottle caps, and any other materials you provided. Follow this rubric for creating your model. (The Box must stand up and the ocean and floor should be colored correctly!!!)

Continental shelf, slope, rise, abyssal plain, ocean trenches correctly modeled and labeled \_\_\_\_/50

Gradation of sunlight change in the ocean \_\_\_\_/10

Group members names on the project \_\_\_\_/10

Model is accurate and NEAT \_\_\_\_/30

EXTRA CREDIT: Research marine organisms, draw and place them on the project \_\_\_\_/5

January 5

**Most ocean waves are caused by \_\_\_\_\_.**

**A rocky headlands**

**B the friction of the ocean floor**

**C wind blowing across the water surface**

**D differences in salinity**