



Fill in the flow chart and explain the above flow chart in your own words.

### Definitions

Pure Substance:

Mixture:

Elements:

Compounds:

Review the Meet the elements page:

- What four elements are in all living things?
- 
- What 3 elements are in coins?
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- What elements form coal and then diamonds?
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Review Bill Nye worksheet:

- “Atoms” is from a Greek word meaning? \_\_\_\_\_
- When Atoms combine, they can make? \_\_\_\_\_
- NaCl is \_\_\_\_\_
- Everything in the universe is either \_\_\_\_\_ or \_\_\_\_\_.  
The smallest pieces of matter are \_\_\_\_\_.

Explain the difference between an element and a compound.

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How many elements are there? Textbook says? \_\_\_\_\_  
Periodic table says? \_\_\_\_\_

Can a compound be a solid, liquid or gas?

Can a mixture be a solid, liquid or gas? \_\_\_\_\_

What mixture contains all 3 states of matter? \_\_\_\_\_

What are the 4 points of the particle model? “(ch 5)

- 1 \_\_\_\_\_
- 2 \_\_\_\_\_
- 3 \_\_\_\_\_
- 4 \_\_\_\_\_

What are 2 ways we learned about how the Periodic table is  
organized 1) \_\_\_\_\_ 2) \_\_\_\_\_

Electrons move so fast they act like a \_\_\_\_\_  
(from Bill Nye)