

What's the Matter?

Practice Test

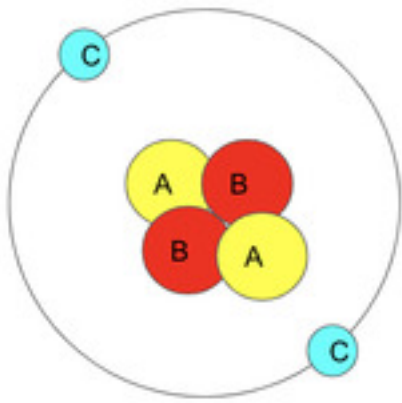
The real test will also be in this Nearpod format, but it will not be self-paced with the answers like this one.

Good Luck!



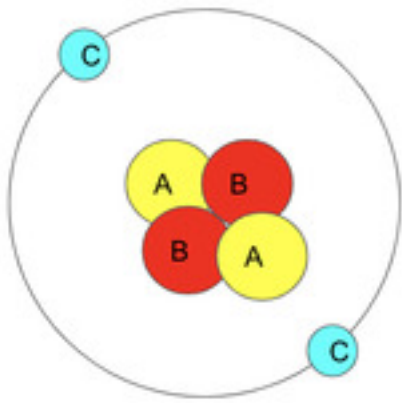
Quiz

Quiz Section 1



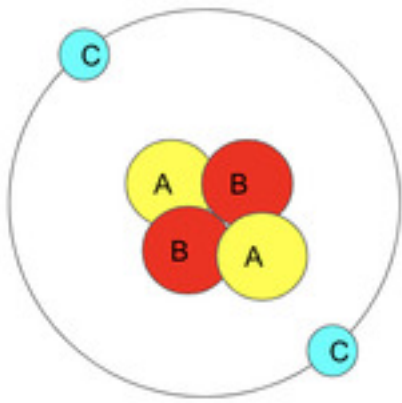
This is a diagram of an atom. What is the name of the particle labeled A? It has no charge. You can click on picture to make it bigger.

- ☐ Electron
- ☐ Proton
- ☐ Neutron



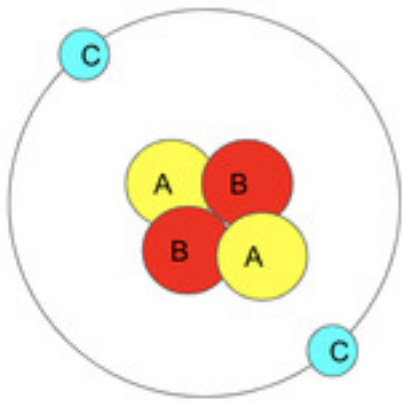
This is a diagram of an atom. What is the name of the particle labeled B? It has a + charge. You can click on picture to make it bigger.

- ☐ Electron
- ☐ Proton
- ☐ Neutron



This is a diagram of an atom. What is the name of the particle labeled C? It has a negative charge. You can click on picture to make it bigger.

- ☐ Electron
- ☐ Proton
- ☐ Neutron



This is a diagram of an atom. What is the name the area where the A & B particles are?

- ☐ Nucleus
- ☐ Cloud



Quiz

Quiz Section 2



The state of matter for the water in this picture is:

- ☐ Solid
- ☐ Liquid
- ☐ Gas



You sit this glass of water outside over night in freezing temperatures. Which of the following statements is true?

- ☐ The glass of water will look the same.
- ☐ The glass of water will have turned to ice and the level in the glass will be higher.
- ☐ The glass of water will have turned to ice and the level in the glass will be lower.
- ☐ The water will have evaporated and the glass will be empty.



What is the state of matter for the water in the picture?

- ☐ Solid
- ☐ Liquid
- ☐ Gas



What is the state of matter for the water in the picture?

- ☐ Solid
- ☐ Liquid
- ☐ Gas



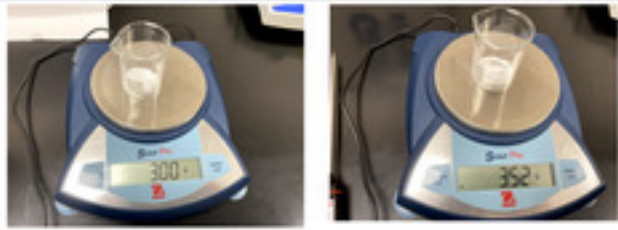
Heat is added to this ice. What processes will it go through as it heats up?

- ☐ cooling, then melting
- ☐ evaporation, then melting
- ☐ melting, then freezing
- ☐ melting, then evaporation

What is the name of the process that turns ice directly to a gas?

- ☐ Sublimation
- ☐ Melting
- ☐ Freezing
- ☐ Evaporation

Open Ended Question



*You can click on the picture to make it bigger. An empty beaker is put on a balance, then 100 ml of liquid is added to the beaker. What is the density of the liquid?



Quiz

Quiz Section 3



*** You can click the picture to make it bigger. Which of the states of matter has a defined shape?**

☐ A

☐ B

☐ C



*** You can click the picture to make it bigger. Which of the states of matter takes the shape of its container?**

☐ A

☐ B

☐ C



*** You can click the picture to make it bigger. Which of the states of matter has particles moving the fastest?**

☐ A

☐ B

☐ C



*** You can click the picture to make it bigger. Which of the states of matter has particles moving the fastest?**

☐ A

☐ B

☐ C



*** You can click the picture to make it bigger. Which of the states of matter has a defined volume?**

☐ A

☐ B

☐ C



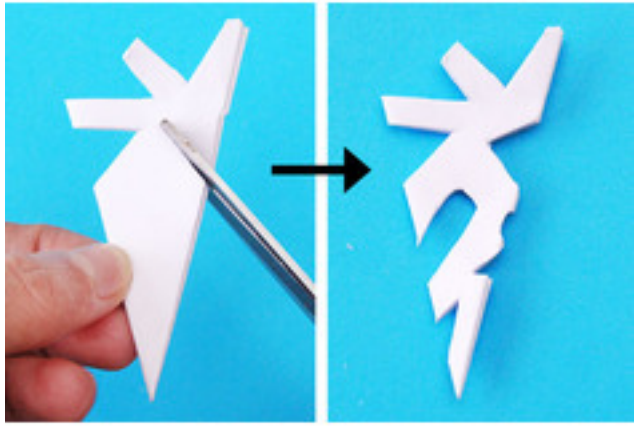
Quiz

Quiz Section 4



Does this show a chemical or physical change?

- ☐ Chemical
- ☐ Physical



Does this show a chemical or physical change?

- ☐ Chemical
- ☐ Physical



Does this show a chemical or physical change?

- ☐ Chemical
- ☐ Physical



Does this show a chemical or physical change?

- ☐ Chemical
- ☐ Physical



Does this show a chemical or physical change?

- ☐ Chemical
- ☐ Physical



Does this show a chemical or physical change?

- ☐ Chemical
- ☐ Physical



Does this show a chemical or physical change?

- ☐ Chemical
- ☐ Physical



Does this show a chemical or physical change?

- ☐ Chemical
- ☐ Physical

Open Ended Question



*You can click the picture to make it bigger. All of these containers have water and drops of food coloring have been added to each. Which one has the highest concentration of food coloring? How do you know?