Chemistry Warmup: Bohr Models Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

What is the smallest amount of an element that you can have?

What is the smallest amount of a compound that you can have?

What is the term for an individual unit of light energy?

Atoms in the lowest energy state possible are said to be in the \_\_\_\_\_\_\_\_\_ state.

An atom that has absorbed energy is said to be in the \_\_\_\_\_\_\_\_\_\_\_\_ state.

We have been doing electron configurations for atoms in the \_\_\_\_\_\_\_\_\_\_\_ state.

If I told you the electron configuration for an atom was 1s22s22p53s1, what would you know about that atom?

Lower energy levels are farther or closer to the nucleus?

True or False: Excited states are temporary. The atom will quickly release any absorbed energy.

Do atoms produce light when they move to the excited state or the ground state?

When an atom moves to the excited state, does that mean it gained or lost energy?

Light is a type of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ radiation.

The Bohr Model only works for the \_\_\_\_\_\_\_\_\_\_\_\_\_ atom.

True or False: A wave with a long wavelength has a high frequency.

True or False: A wave with a low frequency has little energy.

What color light has the most energy?

What type of EM radiation has the highest frequency?

Name 7 types of EM radiation.

Which type of EM radiation has the longest wavelength?

What type of test could be used to determine the amount of energy in various chemicals by comparing the color of light they produce when burned?

The color of the flame is due to the \_\_\_\_\_\_\_\_\_\_ in the compound.