



Name .....

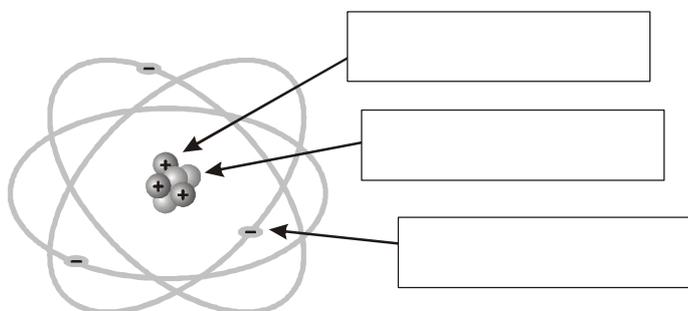
1. Tick what is correct:

- The molecules of ice, water and water vapour are the same.
- Liquids can be compressed.
- The change of the solid state into the gaseous state is called sublimation.

2. Tick what is correct:

- Atoms cannot be divided by means of chemistry.
- Substances, that are made up by only one type of atom, are called elements.
- H (hydrogen) is an element.
- H<sub>2</sub> is a molecule.

3. Fill in the correct expression



4. Tick what is correct:

- All atoms want to have full outer shells of electrons. They achieve this by bonding.
- If one atom loses and an other atom gains electrons, it is called *ionic bonding*.
- If two atoms share some electrons it is called *covalent bonding*.
- Sodium chloride (NaCl) is an example of *covalent bonding*.
- The oxygen molecule O<sub>2</sub> is an example of *ionic bonding*.
- Ionic compounds conduct electricity when dissolved in water.
- The water molecule H<sub>2</sub>O has no polarity.

5. The chemical formula of *limestone* is:

CaCO<sub>3</sub>       CaO       Ca(OH)<sub>2</sub>

If limestone is heated you get *quicklime*:

CaCO<sub>3</sub>       CaO       Ca(OH)<sub>2</sub>

If quicklime is mixed with water you get *slaked lime*:

CaCO<sub>3</sub>       CaO       Ca(OH)<sub>2</sub>

*Mortar* consist of *slaked lime* mixed with sand

If *mortar* reacts with CO<sub>2</sub>, it is transformed into:

CaCO<sub>3</sub>       CaO       Ca(OH)<sub>2</sub>

6. In the *Periodic Table* the elements are arranged in order of increasing atomic mass. Each vertical column in the periodic table is called a ..... Elements of the same group have the same number of ..... in their outermost shells and therefore similar ..... Each row of elements in the table is called a .....

Fill in the missing words:      *period*      *group*      *chemical properties*      *electrons*