

CHECKSHEET ATOMS AND THEIR ELECTRONS

(to be completed by students during second viewing)

NAME _____
DATE _____

- All the matter in the universe is made of extremely small particles called _____.
- The charge on a proton exactly balances the electrons _____.
- _____ discovered that the atom sometimes ejected a much smaller negatively charged particle called an _____.
- The Thomson model can also be called the _____ model.
- Heisenberg pictured an atom surrounded by an _____.
- The smallest atom is _____. It has one _____ in the centre, and one _____ moving quickly around it.
- _____ has two electrons in the first shell.
- Lithium has a _____.
- _____ has four electrons in the outer shell.
- In Nitrogen, two electrons are paired and there are 3 unpaired in the _____.
- Fluorine is highly _____ and is the only element to attack _____.
- Phosphorus has _____ - two paired and three unpaired in the outer shell.
- All the elements in this group (seven) will try to grab an extra electron but they become more reactive as they get _____.
- Sharing of electrons is a _____.
- Methane is a _____ molecule.
- _____ has more negative charge on one side of the molecule making it _____.
- Ammonia's shape is similar to _____.
- Carbon dioxide has the charge evenly _____ and the molecule is _____.
- Each of the atoms has become an _____ and is changed in _____ and _____.
- The shape of the crystals depends on the ratio of the _____.