

Name

Social Security Number

### Minute Quiz 1

1. Describe the particle Rutherford used in his scattering experiment. Give its **name**, **charge** and **mass**. (3 pts.)

alpha particle (or helium nucleus), charge = +2, mass = 4

2. The Greeks thought matter was composed of only four basic elements.

Name them. (4 pts.)

Earth, Air, Fire, Water

3. What is another name for the nucleus of the hydrogen atom? (1 pt.)

proton

4. Atoms of the same element which have different masses are called isotopes.

They contain different numbers of neutrons in the nucleus. (2 pts.)

(10 pts. total)