

Name _____

Score ____/25

Date _____

Atomic Structure

1. Using the following words, answer the questions below.

electrons, neutrons, nucleus, protons, shells

- (a) The center of the atom is called the _____.
- (b) _____ have a positive charge.
- (c) _____ have a negative charge.
- (d) _____ have no charge.
- (e) _____ and _____ are contained within the nucleus of the atom.
- (f) Electrons are contained in the _____ of an atom.
- (g) The _____ and the _____ of the atom have the same mass.

2. A neutral atom has 54 protons and 70 neutrons.

- (a) What is the atomic number? _____
- (b) What is the mass number of the atom? _____
- (c) How many electrons does the atom have? _____
- (d) What is the name of the atom? _____

3. Assuming all the atoms have neutral charge, complete the following table using the information already provided.

	Protons	Electrons	Neutrons	Mass Number
Atom 1		30	20	
Atom 2			24	50
Atom 3	44			70
Atom 4		12		30
Atom 5	37		43	
Atom 6	19			30