

## Chemistry Test Sept 4, 2018

Name \_\_\_\_\_

Section \_\_\_\_\_

Directions

Circle the correct Answer.

### General / Basics

- 1) You know a chemical reaction probably took place if you saw \_\_\_\_\_ .
  - a) Pink elephants floating and electron dense cloud (no sleeping).
  - b) Raindrops keep falling on my head (condensation mechanism).
  - c) Iron, silver and magnesium in the test tube (magnified to 3X).
  - d) Gas bubbles forming in a liquid after mixing two substances together
  
- 2) Water is a \_\_\_\_\_ .
  - a) Kind an element (like in earth, wind and fire)
  - b) Kind of metal formed in the teapot
  - c) Compound made of two elements
  - d) Lava liquid formed millions of years ago from heavy metals
  
- 3) Water "sticks" to itself; this is because \_\_\_\_\_ .
  - a) Hydrogen bonds form in the water
  - b) Water flows easily because it is a liquid
  - c) Water forms solid ice at very high temperatures
  - d) Of all the adhesive used in it (types I – Types IV).
  
- 4) Subatomic particles \_\_\_\_\_ .
  - a) Are the parts that make-up atoms
  - b) Are attracted to water and alcohol lamps
  - c) Are very large chemical compounds
  - d) Form chains of molecular galactic nebula

- 5) Protons have a charge of \_\_\_\_\_ while neutrons have a charge of \_\_\_\_\_ .
- a) (+), (-)
  - b) (+), (0)
  - c) (+), (-)
  - d) (-), (+)
- 6) The air you breath is mostly composed of \_\_\_\_\_ .
- a) Gaseous anomaly (found in interstellar medium)
  - b) Graphite sharpener in vacuum tube (costly)
  - c) 84.3% Hydrogen and 15.7% Helium
  - d) Nitrogen and Oxygen
- 7) The most abundant element in the known universe is \_\_\_\_\_ .
- a) Plastic Waste
  - b) Hydrogen
  - c) Oxygen (Breathable through vacuum tube)
  - d) Located outside of this universe (probably in an alternate reality re: Scalzi)
- 8) The elements were “born” inside \_\_\_\_\_ .
- a) Stars
  - b) Test tubes (located in the laboratory)
  - c) Parental Units (mothers)
  - d) Caves (located SW of the Asian continent)
- 9) The Atomic number of an element is equal to the number of its \_\_\_\_\_ .
- a) Phasers
  - b) Atomic children (born just before the radiation was released)
  - c) Volume and texture
  - d) Protons
- 10) Atomic Mass – (minus) Atomic Number = \_\_\_\_\_
- a) Atomic Radii
  - b) Number of neutrons
  - c) Atomic Radiation
  - d) Proton numbers (subatomic particle)

Word Box (Can be used for Lab Equipment)

- A. Graduated Cylinder
- B. Flask
- C. Bunsen Burner
- D. Cleaning Brush
- E. Alcohol Burner
- F. Tongs
- G. Funnel
- H. Stirrer/Spoon
- I. Beaker

11) The five parts of a lab are \_\_\_\_\_

- a) Abstract, Title, correspondence, feedback, return
- b) Title, landmass, feedback, reading, and paper potion
- c) Feedback loop, electron, proton, neutron & stage
- d) Title, Introduction, Method, Results and conclusion

12) An Isotope is \_\_\_\_\_ .

- a) An element with a different number patron (supporting types)
- b) An element with a different number of neutrons
- c) An Atom with a different number atoms
- d) An Atom with a different number of compounds

13) Isotopes are usually \_\_\_\_\_ - .

- a) Sympathetic
- b) Highly flavored
- c) Resistant to viral infection
- d) Radioactive

Fill in the table.....

14) CONVERSION

**KM**

**mm**

**cm**

<b>0.476 Meters</b>			
<b>20.5 Meters</b>			
<b>0.056 mm</b>			

15) Volume is \_\_\_\_\_

- a) The amount protons found in Hydrogen bonding
- b) The amount of space something takes up
- c) The amount of quality in a measurement
- d) The amount of distance contained in free fall

16) If I stir salt into water until it dissolves, I've created \_\_\_\_\_ .

- a) a silicate
- b) a kind of soup filled with nutrients
- c) a solution
- d) a complex problem solved through the founders

**Symbol**

**Protons**

**Neutrons**

<b>Mercury</b>			
<b>Sodium</b>			
<b>Oxygen</b>			
<b>Carbon</b>			