

Separation of a Mixture Lab Quiz

NAME: _____ DATE: _____ PERIOD: _____

True (A) or False (B)

Place either an "A" or a "B" in the blank provided.

- 1) _____ In salt water, salt is the solvent.
- 2) _____ A solution is a homogenous mixture.
- 3) _____ Elements and compounds are pure substances.
- 4) _____ Filtration is a separation technique used to separate a solid from a liquid.
- 5) _____ A solvent and a solute combine to make a solution.
- 6) _____ Sand could be separated from water by a filtration process.
- 7) _____ Salt could be separated from water by vaporizing the water.
- 8) _____ Salt is a homogeneous mixture.
- 9) _____ Vaporization and filtration are both physical processes and do not change the identity of the substances.
- 10) _____ If given a mixture of sand, rocks and salt and asked to separate it, water should be added and the mixture stirred and filtered.
- 11) _____ Chromatography is a chemical separation process based on molecular polarity.
- 12) _____ Distillation is a physical separation process based on boiling points.
- 13) _____ A mixture can be heterogeneous or homogeneous.
- 14) _____ A heterogeneous mixture is uniformed throughout while a homogeneous mixture is non-uniformed throughout.