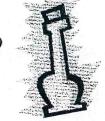
PURE SUBSTANCES AND MIXTURES UNIT TEST CLASS: NAME:



A) True and False (7 points)

. 1.	T	0.7% of the earth's water is fresh water.
2.	F	_ Canadians use, on average, 200 litres of water per day.
3.	F	
4.	T	_ Flourine is added to water by municipalities to prevent tooth decay.
5.	T	An unsaturated solution can dissolve more solutes without its temperature being raised.
6.	T	Apples have a lower pH than tomatoes and are considered more acidic.
7	T	When an acid is mixed with a base the base is neutralized

B) Short Answer Questions

- 1. What can you do at home to help conserve water? 1 points)
- 2. If a solution is saturated, what can you do to allow it to dissolve more solutes? (2 pts)
- 3. Looking at the following items, state which is the solvent, solute, and solution. (3pts)

Pop Solvie Carbon Dioxide (gas)

solven water

scholen lyne gas-liquid

Maple Tree Syrup

Solvent

Sol

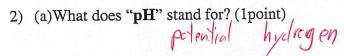
Vinegar

Solution type liquid-liquid

solvent water (liquid)

solute acetic acid

C)1)Name seven elements of the periodic table. (3 points)



(b) What does the pH table describe? (1 point)

how acidic or basic a substance is

(c) What does the pH scale vary from and to? (1 point)

(d) Looking at the following pH scale (see next page), list **three items** that are considered **basic** and **three items** that are considered **acidic**. (2 points)



(e) Milk of magnesia is how much more acidic than ammonia solution? (1 point) jOX

(f) Toothpaste is how much more acidic than ammonia solution? (1 point)

100x

(g) Please name four acids. (2 points)

Define six of the following seven: (6 points - 1 each)
Solubility the maximum amount of a particular solute
than as can be dissolved by a particular solvent
at a given temporature
Solute a substance that is dissolved in a solvent
Solution a homogeneous mixture of two or more substances; in a solution only one substance is visible A solution is made of one solvent one
or more solutes
Solvent a substance that dissolves a solute to
Dissolve when one substance the solute mines with another (the solvent) to form a solution
Residue in filtration, the part of a mitture that remains in or on the filter
Saturated solution that contains the maximum amount
of solute that the solvent can dissolve at a given temperature.
Bonus Question: What is the address of the school's website? (1 point) Name 4 elements symbols

