A Tasty Solution

Name: _____

Definitions: Use pg. 180-181 in CPO book
Solution:

Solvent:
(The solvent does the _____)
Solute:
(The solute _____ in the solvent)
Hypothesis: Read the procedure: Which method will dissolve the candy fastest? Why?

Method	Dissolving Time	Convert to seconds
1st	___ min. ___ sec.	(= _____ sec.)
2nd	___ min. ___ sec.	(= _____ sec.)
3rd	___ min. ___ sec.	(= _____ sec.)

Questions:
1. Use your data to create a **bar graph** showing your results.
Be sure to **label the axes** of your graph completely and **give it a title**.

2. In your solution (candy in your mouth), what was the solute and the solvent?
Solute = _____ Solvent = _____

3. Identify the solute(s) and solvent in each solution. * **Solute** dissolves **in** the **solvent.**

Solution	Solvent	Solutes
Antifreeze		
Flavored soda water		
Kool Aid		
Lemonade		
Ocean water		
Pick your own:		

4. What liquid is called the “universal solvent”? _____ Why?

5. Which would have the most SOLUTE: a glass of very sweet Kool-Aid or a glass of barely sweet Kool-Aid? _____ Why?

6. If you DILUTE a solution, what do you add?

7. **Conclusions**: Answer on another page in a paragraph. a. Use your data from the experiment to answer the problem: What factors help a solid dissolve faster? Include relevant quantitative data in the paragraph.

b. If you had large pieces of rock salt, what are 2 things you could do to make it dissolve faster in a beaker of water?