

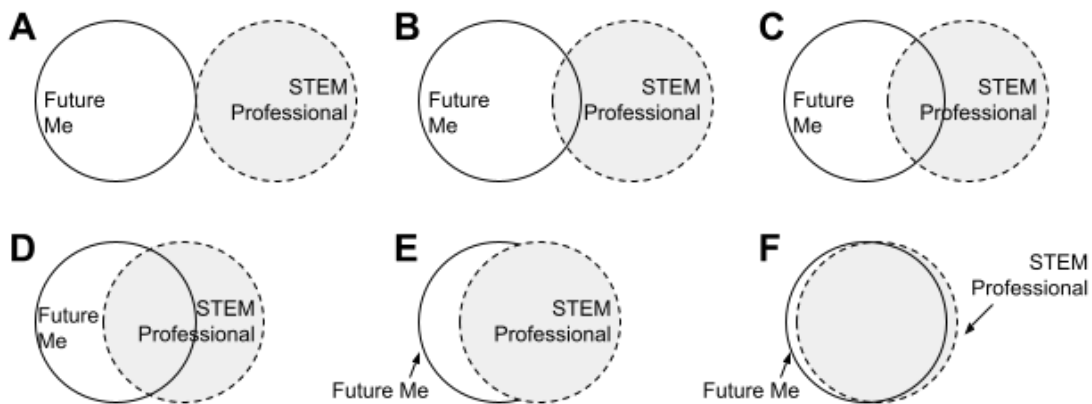
NAME: _____ DATE: _____ CLASS PERIOD: _____

Directions. Read each question carefully, select the best answer, consider all options, and review your answers if time permits.

STEM and Your Future Self

STEM professionals are individuals whose professional activities relate to the STEM fields (Science, Technology, Engineering, or Mathematics).

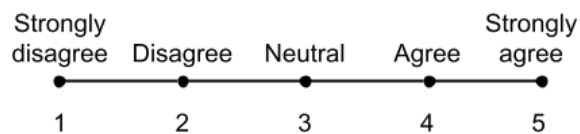
- 1) Think about what type of career you envision for yourself after you have finished all necessary school and training. Which diagram below best describes the image of your future self, relative to a STEM professional? (circle letter that best represents you)



- 2) Rate your current interest level (1 to 5) in STEM topics, regardless of whether you want to become a STEM professional? (circle your response number on the line below)



- 3) How much do you agree/disagree with this statement: "Engineering is relevant to my everyday life." (circle your response number on the line below)

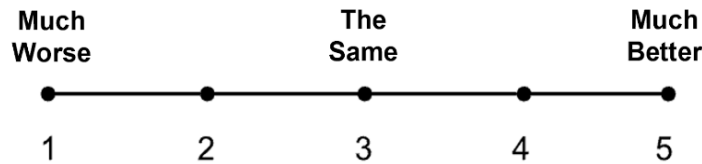


Pacific H2O: Core Content

- 4) Of the roles engineer, chemist, and manager, which do you personally think is the most interesting?**
- a) Analytical chemist
 - b) Chemical & process engineer
 - c) Project manager
- 5) When analyzing an engineering problem, which factors should be considered?** (Select all that apply)
- a) The people that are involved
 - b) The source of the problem
 - c) The environmental impact of the solution
 - d) The monetary cost of the solution
- 6) What statement is TRUE regarding distillation and reverse osmosis?** (Select one)
- a) Reverse osmosis relies on filtration while distillation relies on evaporation and condensation.
 - b) Distillation requires less energy than reverse osmosis.
 - c) Reverse osmosis and distillation remove very few impurities from water.
 - d) Bottled water is more effective than reverse osmosis and distillation
- 7) If a water sample is contaminated with bacteria, which solution will NOT treat the water?** (Select one)
- a) Chlorination
 - b) Distillation
 - c) Ion-Exchange
 - d) Reverse Osmosis

Overall Unit

8) On a scale of 1-5, how did this unit compare to other units you have completed in this class? (circle your response number on the line below)



9) Please add comments below about what you learned and/or enjoyed during this unit.

10) What is your race or ethnicity? Select ALL that apply.

- American Indian or Alaska Native (For example, Dakota, Navajo, Cherokee, Inupiat, Aztec, Maya, etc.)
- Asian (For example, Chinese, Asian Indian, Filipino, Vietnamese, Korean, Japanese, etc.)
- Black, African, or African American (For example, African American, Jamaican, Haitian, Nigerian, Ethiopian, Somali, etc.)
- Hispanic or Latino (For example, Mexican, Puerto Rican, Salvadoran, Cuban, Dominican, Guatemalan, etc.)
- Middle Eastern or North African (For example, Lebanese, Iranian, Egyptian, Syrian, Israeli, etc.)
- Native Hawaiian, Aotearoa, or Pacific Islander (For example, Native Hawaiian, Māori, Samoan, Chamorro, Tongan, Fijian, Marshallese, etc.)
- White (For example, English, German, Irish, Italian, Polish, Scottish, etc.)

Thanks for your work on this assessment :-)