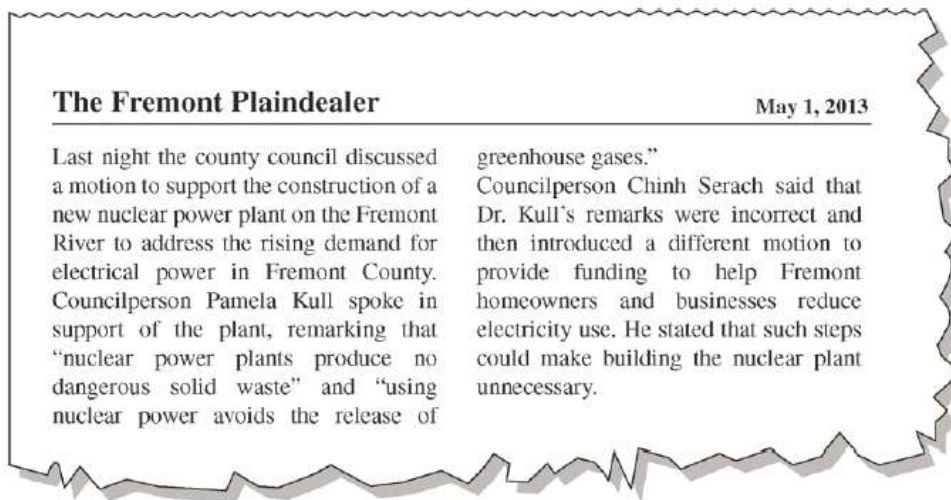


Name _____
 APES Topic 11 – Energy Resources

Date _____
 Mr. Romano

APES FREE RESPONSE PRACTICE

Read the article below and answer the questions that follow.



- (a) State whether you agree or disagree with each of the following remarks made by Dr. Kull. For each remark, provide one justification for your position.
- (i) “Nuclear power plants produce no dangerous solid waste.”
 - (ii) “Using nuclear power avoids the release of greenhouse gases.”
- (b) If the plan for a nuclear power plant in Fremont is approved, it will take several years for the plant to be built. **Describe** TWO environmental problems that could result from the construction of the plant (i.e., prior to operation).
- (c) Suppose that the nuclear power plant is constructed on the Fremont River site.
- (i) **Identify** the most likely pollution threat that the plant will pose to the Fremont River as a result of the plant’s normal daily operation.
 - (ii) **Discuss** one potential ecological consequence of the pollution threat that you identified in part (i).
 - (iii) **Identify** a system often used in nuclear power plants to reduce the pollution you identified in part (i).
- (d) **Describe** TWO specific steps that Fremont residents and/or businesses could take to reduce the use of electricity.
- (e) **Identify** a specific nuclear power plant at which a major accident has occurred. **Explain** one environmental consequence (other than effects on human health) of a nuclear power plant accident.