

CLASS SET

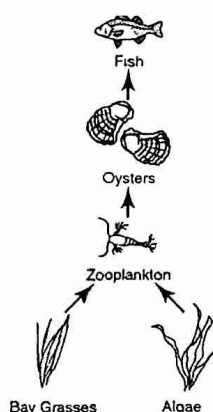
TELPAS writing

Your paper must be a full page. Writing big will not count for length.

You must CHOOSE ONE of the following prompts.

You CAN use your notebook.

- 1- Alison and Greg are looking at the sky and notice that there is a full moon. Alison tells Greg that they are only seeing $\frac{1}{2}$ of the moon, but Greg disagrees and thinks they are seeing the entire moon. Is Alison or Greg correct? Explain using scientific terminology and a description of the phases of the moon.
- 2- During one year the algae population decreases in the Chesapeake Bay. Below is a partial Chesapeake Bay food chain.



Explain how a large decrease in the algae population will most likely impact the bay ecosystem.

In your explanation, be sure to include *the roles of the organisms in the partial Chesapeake Bay food chain and *the possible effects of a decrease in the algae population on the plant and animal populations

- 3- A beaker is filled one-third full of sugar. A layer of highly concentrated sulfuric acid is poured on the top. Over a period of seconds, you notice a drastic change in the look of the sugar. It becomes darkened and begins to bubble up and form a stiff black material which creates a strong smell. Upon the completion of the reaction, you take a knife to the substance and notice it crumbles like a fine powder. How do you explain what happens? Be sure to use scientific vocabulary to determine if a chemical reaction occurred or not.

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