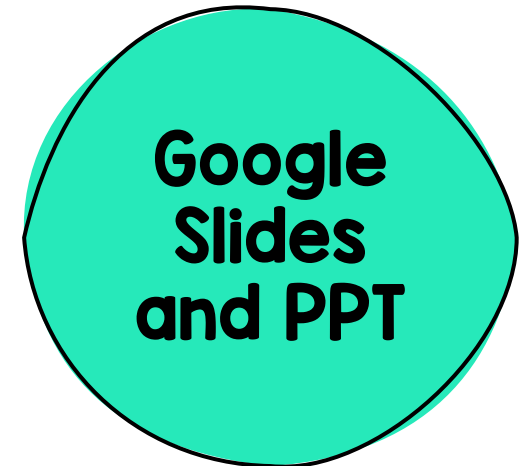


32 Digital Life Science Practice Test Questions that cover:

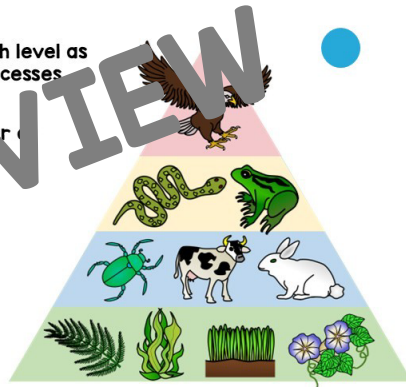
- bacteria, viruses, fungi, and parasites
- immune system
- epidemics and pandemics
- abiotic and biotic factors
- ecosystems
- limiting factors
- predator-prey relationships
- food chains and food webs
- photosynthesis and respiration
- energy in an ecosystem
- cycling of water and carbon in an ecosystem
- homologous structures
- transitional fossils
- law of superposition
- vestigial structures
- natural selection
- and more!



Which of the following BEST explains why there is less energy available at the top of the trophic pyramid compared to the bottom? Drag the circle to the correct answer.

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- Energy is lost as heat at each level as organisms carry out life processes.
- Energy is converted to work at each level.
- Energy is lost in plants as they convert light in photosynthesis, leaving no energy for the other levels.
- Energy is stored at the top level, leaving it unavailable for the bottom levels.



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After reading the following case study, answer the question.

Kasen, a 5-year-old boy, woke up one morning with a fever of 102 degrees. He began experiencing other symptoms, including body aches, fatigue, and a cough. He felt very sick, so his parents took him to the doctor. The doctor said the pathogen invading Kasen's body most likely came from another infected person in his class. He was encouraged to rest and drink plenty of fluids. The doctor also told his parents to give him pain relievers and fever reducers to alleviate symptoms. He was prescribed medication to reduce the severity and duration of symptoms. The doctor said that next time, one way to prevent this is to get the annual vaccine.

The pathogen that most likely invaded Kasen is:
Drag the circle to the correct answer.

- Bacteria because he was given medicine.
- A virus because he could have taken a vaccine to prevent it.
- A parasite because he most likely picked it up at school.
- Fungi because he was told to take pain relievers.

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