

# Jeopardy

The Nature  
of Life

Ecology

Cells

Genetics

Evolution

\$100

\$100

\$100

\$100

\$100

\$200

\$200

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Final Jeopardy

# 1 - \$100

- An organized way of gathering and analyzing evidence about the natural world.
- What is Science?



# 1 - \$200

- A scientific explanation for a set of observations that can be tested in ways that support or reject it.
- What is a hypothesis?



# 1 - \$300

- A positively charged particle in an atom.
- What is a proton?



# 1 - \$400

- When you shake sugar and sand together in a test tube, you cause them to form.
- What is a mixture?



# 1 - \$500

- It's parts are a five carbon sugar, a phosphate group, and a nitrogenous base.
- What is a nucleotide?



# 2 - \$100

- What consist of all life on Earth and all parts of the Earth in which life exists.
- What is the biosphere



# 2 - \$200

- What is any living part of the environment with which an organism might interact.
- What is a biotic factor?





# 2 - \$300

- What is any living part of the environment with which an organism might interact.
- What is an abiotic factor?



# 2 - \$400

- Can be produced or replaced by a healthy ecosystem.
- What is a renewable resource.



# 2 - \$500

- Loss of forests that can have a negative effect on soil quality.
- What is deforestation?



3 - \$100

- Basic units for life.

- What is a cell?



# 3 - \$200

- Portion of cell outside the nucleus.
- What is the cytoplasm?



# 3 - \$300

- The process of particles moving from a high concentration area to a low concentration area within the cell.
- What is Diffusion?



# 3 - \$400

- The process in which molecules that cannot directly diffuse across the membrane pass thru special protein channels, is known as.
- What is facilitated diffusion?



3 - \$500

- Group of similar cells that perform a particular function.
  
- What is a tissue?





# 4 - \$100

- Key to understanding what makes each organism unique.
- What is genetics?



# 4 - \$200

- A process to produce a new cell.
- What is fertilization?



# 4 - \$300

- One type of bacteria changed permanently into another.
- What is transformation?



# 4 - \$400

- Genes containing instructions for assembling amino acids into proteins.
- What is messenger RNA?



# 4 - \$500

- Crossing dissimilar individuals to bring together the best of both organisms.
- What is hybridization?



# 5 - \$100

- All the genes that are present within a population.
- What is a gene pool?



# 5 - \$200

- Number of times an allele occurs in a gene pool.
- What is allele frequency?



# 5 - \$300

- A group of similar species.

- What is a genus?





# 5 - \$400

- A species that has died out.

- What is extinct?

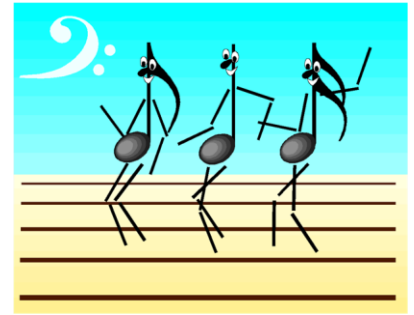


# 5 - \$500

- Who study fossils to learn of ancient life.
- What is paleontologists?



# Final Jeopardy



- Time required for half of the radioactive atoms in a sample to decay.
- What is half-life?

