

Sample Concepts in Science

Concept	Examples
Cell Division	Meiosis Mitosis Binary Fission
Species	Human Great White Shark Ostrich
Cycle	Carbon Cycle Water Cycle Nitrogen Cycle
Chemical Reactions	Synthesis* Single Displacement Decomposition
*Synthesis Reaction (some concepts nest inside other concepts)	hydrogen gas + oxygen gas = water calcium + oxygen = calcium oxide water + carbon dioxide = carbonic acid
Macromolecule	Carbohydrate Lipid Nucleic Acid
Producer	Grass Oak Tree Green Algae
Plate boundaries	Convergent Divergent Transform
Gravitational Pull	A thrown ball falls to the ground if not caught Moon orbiting the earth A roller coaster speeds up as it drops
Human Impact	Invasive species Oil Spills Water pollution

Non-examples of Concepts in Science

- Meiosis
- Completing a Punnett Square
- Calculating percent error
- Identifying the Independent Variable
- Photosynthesis

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