

SpaceOLÉ • Discovery Question Cards

SpaceOLÉ Discovery Astronomer

Challenge Question

What is the average distance of the planet/moon from the Earth?

Keywords

planet/moon name, earth's distance

National Science Education Standards

D3: Origin and evolution of the earth system

D4: Origin and evolution of the universe



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Challenge Question

How long is the planet/moon's cycle of revolution, or length of year?

Keywords

planet/moon name, revolution, year

National Science Education Standards

D4: Origin and evolution of the universe



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SpaceOLÉ Discovery Astronomer

Challenge Question

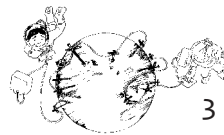
What is the equatorial diameter of the planet/moon?

Keywords

planet/moon name, statistics, data

National Science Education Standards

D4: Origin and evolution of the universe



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Challenge Question

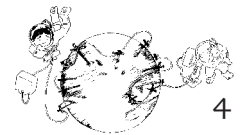
How long is the cycle of rotation, or length of day, on the planet/moon?

Keywords

planet/moon name, day

National Science Education Standards

D4: Origin and evolution of the universe



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Challenge Question

What is the surface gravity of the planet/moon relative to Earth (Earth=1)?

Keywords

planet/moon name, gravity

National Science Education Standards

D1: Energy in the earth system

D4: Origin and evolution of the universe



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Challenge Question

Do eclipses occur? If so, what causes them?

Keywords

planet/moon name, eclipse

National Science Education Standards

D3: Origin and evolution of the earth system

D4: Origin and evolution of the universe



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Challenge Question

What sources of energy (wind, thermal, solar, fossil, etc.) exist on the planet or moon that could be utilized?

Keywords

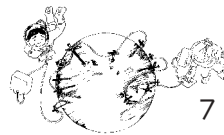
planet/moon name, thermal energy

National Science Education Standards

D4: Origin and evolution of the universe

E1: Abilities of technological design

F3: Natural resources



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Challenge Question

Are there seasons on your planet/moon? Why or why not?

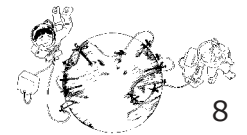
Keywords

planet/moon name, rotation, weather, axis

National Science Education Standards

D3: Origin and evolution of the earth system

D4: Origin and evolution of the universe



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Challenge Question

What celestial bodies are your neighbors in the solar system?

Keywords

planet/moon name, solar system

National Science Education Standards

D4: Origin and evolution of the universe



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Challenge Question

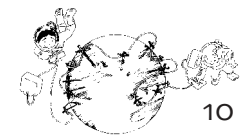
What is the average distance from your planet/moon to your closest neighbor?

Keywords

planet/moon name, distance

National Science Education Standards

D4: Origin and evolution of the universe



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Challenge Question

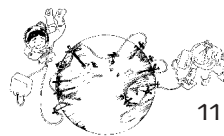
When was your planet/moon discovered? Who discovered it and how?

Keywords

planet/moon name, astronomers, history, exploration

National Science Education Standards

D4: Origin and evolution of the universe
E1: Abilities of technological design



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Challenge Question

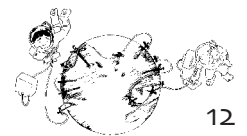
Is there a magnetic field on your planet/moon?

Keywords

planet/moon name, magnetic field

National Science Education Standards

D1: Energy in the earth system
D4: Origin and evolution of the universe



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