

SpaceOLÉ • Discovery Challenge Cards

SpaceOLÉ Discovery Biochemist

Challenge Question

What are the major chemical components of the planet's/
moon's atmosphere?

Keywords

planet/moon name, atmosphere composition

National Science Education Standards

D2: Geochemical cycles

D4: Origin and evolution of the universe



Copyright © 2003 Miami Museum of Science

SpaceOLÉ Discovery Biochemist

Challenge Question

In what state are the planet's/moon's atmospheric
chemical components found?

Keywords

planet/moon name, atmosphere composition

National Science Education Standards

D2: Geochemical cycles

D4: Origin and evolution of the universe



Copyright © 2003 Miami Museum of Science

SpaceOLÉ Discovery Biochemist

Challenge Question

What are the major chemical components on the surface
of the planet/moon?

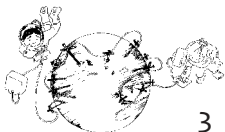
Keywords

planet/moon name, surface composition

National Science Education Standards

D2: Geochemical cycles

D4: Origin and evolution of the universe



Copyright © 2003 Miami Museum of Science

SpaceOLÉ Discovery Biochemist

Challenge Question

In what state are the major chemical components on the
surface of the planet/moon?

Keywords

planet/moon name, surface composition

National Science Education Standards

D2: Geochemical cycles

D4: Origin and evolution of the universe



Copyright © 2003 Miami Museum of Science

SpaceOLÉ • Discovery Challenge Cards

SpaceOLÉ Discovery Biochemist

Challenge Question

Are there any chemical components on the planet or moon that are harmful to human or plant life?

Keywords

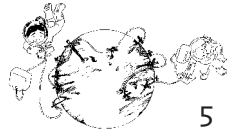
planet/moon name, chemicals, harmful

National Science Education Standards

D4: Origin and evolution of the universe

F4: Environmental quality

F5: Natural and human-induced hazards



5

Copyright © 2003 Miami Museum of Science

SpaceOLÉ Discovery Biochemist

Challenge Question

Is there water present on your planet/moon?

Keywords

planet/moon name, water

National Science Education Standards

D4: Origin and evolution of the universe



6

Copyright © 2003 Miami Museum of Science

SpaceOLÉ Discovery Biochemist

Challenge Question

Why is water a good indicator of the possibility of life?

Keywords

planet/moon name, water, life, outer space

National Science Education Standards

D4: Origin and evolution of the universe

E1: Abilities of technological design

F3: Natural resources



7

Copyright © 2003 Miami Museum of Science

SpaceOLÉ Discovery Biochemist

Challenge Question

Is there sufficient sunlight to support life?

Keywords

planet/moon name, climate, solar light, life

National Science Education Standards

D4: Origin and evolution of the universe

E1: Abilities of technological design

F3: Natural resources



8

Copyright © 2003 Miami Museum of Science

SpaceOLÉ • Discovery Challenge Cards

SpaceOLÉ Discovery Biochemist

Challenge Question

Why is sunlight needed to support life?

Keywords

planet/moon name, solar light, life

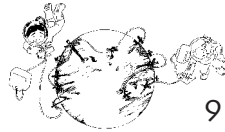
National Science Education Standards

D4: Origin and evolution of the universe

E1: Abilities of technological design

F3: Natural resources

F4: Environmental quality



9

Copyright © 2003 Miami Museum of Science

SpaceOLÉ Discovery Biochemist

Challenge Question

What adaptations can be made to support life on the planet/moon?

Keywords

planet/moon name, human habitation

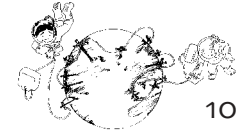
National Science Education Standards

D4: Origin and evolution of the universe

E1: Abilities of technological design

F3: Natural resources

F4: Environmental quality



10

Copyright © 2003 Miami Museum of Science

SpaceOLÉ Discovery Biochemist

Challenge Question

Keywords

National Science Education Standards



11

Copyright © 2003 Miami Museum of Science

SpaceOLÉ Discovery Biochemist

Challenge Question

Keywords

National Science Education Standards



12

Copyright © 2003 Miami Museum of Science