

Web Demo and Topics

Grade 4 Science

1) Which word is under the wrong heading?

Solid	Liquid	Gas
brick	milk	steam
pencil	ice cube	ice cube
eraser	orange juice	water vapor

- 1) pencil
2) brick
3) steam
4) ice cube

2) If you fill a balloon with steam and then put it in the refrigerator. What do you think will happen?

- 1) The balloon will not change.
2) The balloon will expand
3) The balloon will pop.
4) The balloon will contract.

3) A boy found an animal skull. He did not know what the animal was, but he was sure that it preyed on other animals for its food. What clue led to his conclusion?

- 1) Four of the teeth were pointed and long.
2) The eye sockets faced sideways.
3) The skull was much wider than long.
4) In the front of the skull, there were a projecting ridge.

4) Students in a lab saw another student switch labels on the liquids used in the lab.

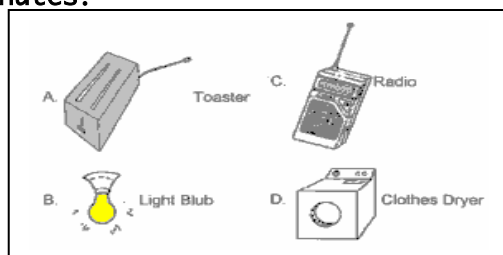
When this is observed, why is it important for the student to report this to their teacher

- 1) Teachers are the only individuals allowed to use chemicals.
2) If a rule is broken, it should be reported.
3) If these chemical are used, it will affect the experiment.
4) Using the wrong chemical could cause someone to be injured.

5) On the Moon, a match will not burn because there was

- 1) insufficient gravity
2) insufficient water
3) insufficient oxygen
4) insufficient carbon dioxide

6) Which electrical appliance will use the least energy after operating for ten minutes?



- 1) A
2) B
3) C
4) D

Grade 4 Essay Questions

1) Garbage is a big problem. In many cities garbage is taken away to landfills. Some landfills are very big and may cover hundreds of acres. But even these large landfills are getting full and may have to be closed. Here are some ideas for solving the problem. Write what you think is a good point about each idea and what you think is a bad point about each idea.

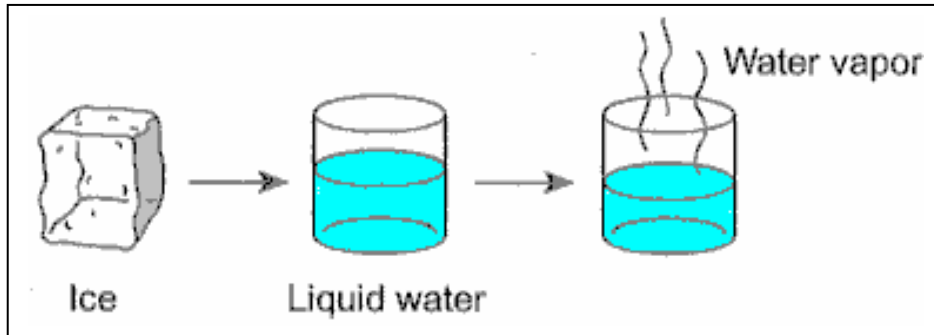
Ideas for Solving Garbage Problem	Good Points	Bad Points
Recycling		
Burning garbage		
Dumping garbage in the ocean		
Sending garbage to a landfill in another state		
Shipping garbage to outer space		

2) An ice cube was put in a pan and placed in a warm room for one hour. Identify two physical properties of the ice cube that will change as it melts to a liquid.

- A)
- B)

3) Think about where rain comes from and explain why the Earth never runs out of rain?

4) Base your answer to the question on the diagrams below.



- A) Which type of energy must be added for the ice to change to liquid water?
- B) In which diagram does water have a definite shape and volume?
- C) Which state of matter is water vapor?

Grade 4 Science Topics

- Animal Needs
- Atmosphere
- Centripetal Force
- Clouds
- Color
- Data Interpretation
- Electrical Circuits
- Electrical Appliances
- Electricity
- Environmental Types
- Experimental Investigation
- Food Adaptation
- Food Care
- Food Chain and Food Webs
- Forces and Directions
- Fossil Evidence
- Friction
- Graph Interpretations
- Human Body
- Insulators
- Lab Investigation - Interpretation
- Lab Equipment
- Inventions
- Lab Safety
- Levers
- Magnets

Mammals and Nonmammals
Moon
Natural Environment
Object Properties
Physical and Chemical Changes
Planets - Stars
Plants Needs
Pollution
Precipitation
Reading - Interpretation
Reflection of Light
Renewable Resources
Rock Types
Seasons
Scientific Process
Scientific Experiments
Solar System
Solving Problems
Sound Energy
States of Matter
Survival in the Environment
Tectonic Plates
Waves - Energy
Weathering
Word Matching

Grade 4 Science Area Topics

Chemical Sciences
Earth Sciences
Lab - Graph - Reading - Data- Interpretation
Life Sciences and Environment
Physical Sciences
Scientific Processes
Solar System - Universe

Grade 4 - Essay Topics

Chemical Sciences
Earth Sciences
Lab - Graph - Reading - Data- Interpretation
Living Environment
Physical Sciences