



# Multiply

$$\begin{array}{r} 82 \\ \times 79 \\ \hline \end{array}$$

$$\begin{array}{r} 73 \\ \times 98 \\ \hline \end{array}$$

$$\begin{array}{r} 68 \\ \times 79 \\ \hline \end{array}$$

$$\begin{array}{r} 96 \\ \times 87 \\ \hline \end{array}$$

$$\begin{array}{r} 75 \\ \times 29 \\ \hline \end{array}$$

$$\begin{array}{r} 58 \\ \times 97 \\ \hline \end{array}$$

$$\begin{array}{r} 98 \\ \times 42 \\ \hline \end{array}$$

$$\begin{array}{r} 86 \\ \times 97 \\ \hline \end{array}$$

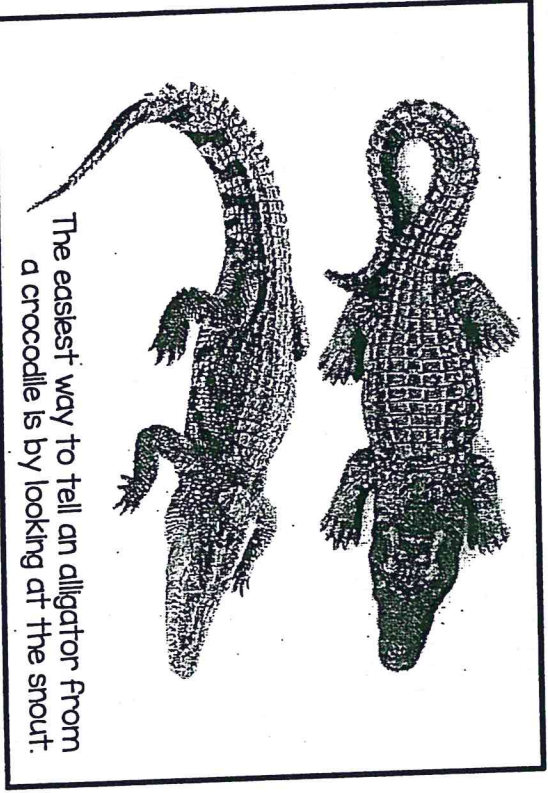
$$\begin{array}{r} 97 \\ \times 86 \\ \hline \end{array}$$

# Alligator or a Crocodile?

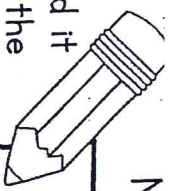
It's a reptile. It lives in the water and it has big, sharp teeth. Can you guess the animal? It's an alligator, of course...or is it a crocodile? Let's find out:

If it lives in salt water, such as an estuary or mangrove swamp, it is a crocodile. Crocodiles have special glands on their tongues to get rid of extra salt. Alligators don't have these glands, so they live in fresh water.

Alligators also have wider, U-shaped snouts, while a crocodile's snout is longer and more pointed, like a V. Also, crocodiles have teeth on their lower jaws that stick out. You can see them even when the crocodile's mouth is closed. Alligators do not have any teeth that stick out.



◆◆ IT: compare and contrast, interpreting an illustration



Name \_\_\_\_\_ Date \_\_\_\_\_

## Show What You Know

TEXT TIME 9

1. What do alligators and crocodiles have in common?

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

2. How are alligators and crocodiles different?

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3. Which text structure did the author use?

- a) description
- b) cause and effect
- c) problem and solution
- d) compare and contrast

4. Is the animal closest to the bottom of the page an alligator or a crocodile? \_\_\_\_\_

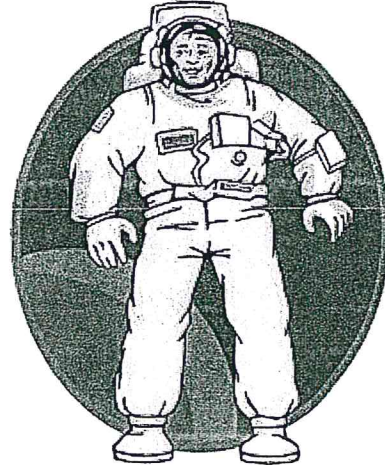
How do you know?

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Name \_\_\_\_\_

Date \_\_\_\_\_

## How Gravity Affects the Sun, Moon, and Earth



Gravity, is the natural phenomenon by which physical bodies appear to attract each other with a force proportional to their masses. Gravity is the agent that gives weight to objects that have mass and causes them to drop to the ground when released. Gravitation is an offshoot of a more fundamental phenomenon defined by general relativity, which suggests that space-time is curved according to the presence of matter through a not yet discovered mechanism.

The force of gravity affects the world in many ways. Gravity keeps the moon in orbit around us. The moon also has a gravitational effect on us. The moon's gravitational effect on us is rather weak, although it can be credited with the formation of tides in oceans all over the world.

The earth stays in orbit around the sun by the sun's gravitational force, although gravity can actually curve space, and the earth's orbit is merely its movement through space predominantly curved by the sun's intense gravity.

Every planetary body, including the Earth, is surrounded by its own gravitational field, which exerts an attractive force on all objects. Assuming a spherically symmetrical planet the strength of this field at any given point is proportional to the planetary body's mass and inversely proportional to the square of the distance from the center of the body.

Gravity affects Earth because gravity attracts everything and makes everything stable. That is why we cannot float because gravity is forcing us to stay on down.

Name \_\_\_\_\_

Date \_\_\_\_\_

### How Gravity Affects the Sun, Moon, and Earth Questions

1. Gravity is the natural phenomenon by which physical bodies tend to \_\_\_\_\_ each other.
  - a) Repel
  - b) Attract
  - c) Avoid
  - d) None of the above
  
2. The gravity of the moon does not affect Earth because
  - a) Its gravity is weak
  - b) The moon is too far from earth
  - c) The moon is Stationary
  - d) All of the above
  
3. Humans do not float on the surface of the earth because of
  - a) The Earth's gravity
  - b) The Sun's gravity
  - c) The Moon's gravity
  - d) None of the above
  
4. The Earth orbits around the sun because of
  - a) The Earth's gravity
  - b) The Sun's gravity
  - c) The Moon's gravity
  - d) None of the above
  
5. Formation of tides in the ocean is caused by
  - a) The Earth's gravity
  - b) The Sun's gravity
  - c) The Moon's gravity
  - d) None of the above