

# Challenger Challenge Competition



## **Teachers Information:**

After returning from their visit to the Challenger Learning Center, there are many key concepts that we hope the students understand better than prior to the visit. This trivia game will allow you to observe and informally evaluate the learning associated with student participation in the CLC program.

## **Next Main Point:**

**Objective:** To engage students in an interactive trivia competition to test key concepts covered during the pre-mission and mission simulation activities.

**Materials:** Three colored index cards for each student labeled **A, B, and C.**

Activity Duration: 1 hour

## **Procedure:**

1. Explain to your students that they are about to take part in a trivia game about their visit to the Challenger Learning Center.
2. Have the students line up against a wall in a large area.
3. Use masking tape, or pieces of paper to mark twenty lines moving away from the student line.
4. Begin asking the students the multiple choice questions attached.
5. After each question is read, the students will choose answer A, B, or C and hold their card where no one can see.
6. When you ask for the answer, each student will turn their card around to reveal their answer.
7. The students who answer the question correctly will step forward one line.
8. After all twenty questions have been asked, the winner is the student or students who have moved forward the most lines.

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## CHALLENGER CHALLENGE TRIVIA QUESTIONS

1. The mission of the Challenger Space Shuttle was to collect data from Comet \_\_\_\_\_
  - a. Hale-Bopp
  - b. Halley**
  - c. Hubble
2. A short period comet comes by the Earth
  - a. every 100 years or less
  - b. every 200 years or less**
  - c. every 200 years or more
3. Short period comets come from the
  - a. The Oort Cloud
  - b. Kuiper Belt**
  - c. Milky Way
4. Scientists believe comets are made up of
  - a. rock, ice, dust, gases**
  - b. water, gas, metal, dirt
  - c. ice, stone, dust, nitrogen
5. The head of a comet is called the \_\_\_\_\_
  - a. corona
  - b. brain
  - c. coma**
6. A meteorite is
  - a. The remains of a meteor that has landed on the Earth's surface**
  - b. A shooting star
  - c. A piece of an asteroid
7. Latitude lines are imaginary directional lines that circle the Earth north and south of the
  - a. North Pole
  - b. South Pole
  - c. Equator**
8. The Wright Brothers made the first powered flight on December 17 of
  - a. 1950
  - b. 1903**
  - c. 1923

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9. Orville and Wilbur flew the Wright Flyer on the sands of Kitty Hawks in the state of
- North Carolina**
  - Ohio
  - Illinois
10. A very precise position for any place on earth can be located by using
- a map
  - latitude and longitude**
  - the North Star
11. The three types of rocks are igneous, sedimentary and
- metamorphic**
  - limestone
  - volcanic
12. What scale measures how acidic or basic a compound is?
- Geiger Scale
  - ph Scale**
  - Richter Scale
13. Galaxies and stars are made up of different elements and gasses that can be identified by a visible spectrum of
- waves
  - light
  - colors**
14. Wavelengths that are longer than red, cannot be seen with the eye, but can be felt as heat are called
- infrared**
  - microwave
  - radioactive
15. The origin of the word comet comes from the Greek word for
- star
  - snowball
  - hair**