

Are You Smarter Than A 5th Grader?

Home Edition

Homework for Science STAAR Review

How to Play: Each 5th grader is to challenge a parent, adult relative, or older sibling to the game. A host/mediator is also needed. The players each write their name at the top of a game sheet. The host asks each question, giving the players time to write the answer on the game sheet. After each question is answered, the host will call out the answer. Each player is awarded \$1000 per question answered correctly. There is no money lost for a wrong answer. Each player is allowed three "cheats" per game. To use a "cheat," after the other player has answered, the host may give the player 3 choices to choose from. The player should mark the paper to show that one of the "cheats" was used. At the end of the questions, add up the total "money" won. Whoever has the most money at the end of the round wins that round.

Keep this page and fill it out after each round (day). At the end of four rounds (days), add up a grand total and bring this page and the answer sheets to class.

Complete your rounds by Mon., May 8. and return this page for *extra credit*.

DATE				
5th Grader				
Challenger				

Grand Total 5th grader \$_____

Grand Total Challenger \$_____

Who is "the smartest?" _____

Now you are both ready for the Science STAAR test!

Evaluation: Check all that apply

_____ I tried my best!

_____ This was fun and I learned a lot

_____ I prefer a homework paper packet

_____ I have a suggestion for next year _____

Player Name _____

_____ 5th Grader or _____ Challenger

Round 1	Round 2	Round 3	Round 4
1.	1.	1.	1.
2.	2.	2.	2.
3.	3.	3.	3.
4.	4.	4.	4.
5.	5.	5.	5.
6.	6.	6.	6.
7.	7.	7.	7.
8.	8.	8.	8.
9.	9.	9.	9.
10.	10.	10.	10.
11.	11.	11.	11.
12.	12.	12.	12.
13.	13.	13.	13.
14.	14.	14.	14.
15.	15.	15.	15.
\$	\$	\$	\$

Round 1

1. Name a tool used to find the length of object? (ruler, yardstick, meter stick, or tape measure)
2. What is the part of an investigation that you change? (variable)
3. An educated guess as to the answer of a testable question is a ...? (hypothesis)
4. What is used to display data that has been collected? (a chart or a graph)
5. What tool is used to find mass? (Any kind of balance; Triple Beam Balance, Bucket Balance etc)
6. At what stage does a butterfly most resemble a worm? (larva)
7. Are instincts learned or inherited? (inherited)
8. What is a plant called after it germinates? (a seedling)
9. What is an external characteristic of a zebra? (stripes, legs, hooves etc)
10. What do we call the life cycle of a butterfly in which it changes from the caterpillar to the pupa and from the pupa to the adult butterfly? (complete metamorphosis)
11. What is the process by which a plant makes food? (photosynthesis)
- 12/ What characteristic do all consumers share? (They eat other animals or plants/organisms)
13. What type of consumer eats only plants? (herbivore)
14. What is the seasonal movement of a group of animals called? (Migration)
15. During what part of the water cycle does water change from a gas to a liquid?
(condensation)

Round 2

1. What makes up an ecosystem? (all living and nonliving things in an environment)
2. The diagram that shows the passing of energy from one organism to the next is called a(food chain)
3. What is the source of all energy in food products? (the sun)
4. What is a trait or behavior that helps an animal or plant survive its environment?
(adaptation)
5. Whether an organism is a consumer or producer, predator or prey is called its _____
(niche)
6. What will most likely happen to any species that does not adapt to its environment? (it will go extinct)
7. Many bears sleep for months at a time, or hibernate in winter. This is what type of behavior? (instinct or learned?instinct)
8. During which stage of metamorphosis is an animal dormant? (pupa)
9. If a rock is brought from the moon to earth, which physical characteristic will change? (its weight)
10. What force slows an object down? (friction)
11. When you place a straw in a glass of water, it looks bent. This is due to what behavior of light? (refraction)
12. Why does a bowling ball have more inertia than a basketball? (it has more mass)
13. The wires in a toaster glow and toast bread. What 2 types of energy has electricity changed to? (thermal and light)
14. What force is created when objects rub together? (friction)
15. What type of lens bends light outward ()? (convex)

Round 3

1. An object that does not conduct heat well is called an _____. (insulator)
2. True or false? Most solutions are liquids. (false)
3. True or false? A mixture is a solution, but a solution is not a mixture. (false)
4. What property tells how much matter is in an object? (mass)
5. What is the process that breaks down rocks over time? (weathering)
6. The process of dropping sediments as a river slows down is called _____.
(deposition)
7. What type of rock forms from volcanic activity? (igneous)
8. Fossil fuels are formed by heat and _____. (pressure)
9. What two factors cause the change of limestone to marble? (heat and pressure)
10. In what type of rock do most fossils form? (sedimentary)
11. What causes day and night? (The rotation of the earth)
12. What kind of surface is there on the moon? (rocky)
13. What are the three main types of fossil fuels? (oil, natural gas, coal)
14. How long does it take for the earth to make one rotation? (24 hours or 1 day)
15. What is the order of the planets beginning with the Sun? (Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, Neptune - Pluto is now a dwarf planet)

Round 4

1. The oldest artifacts are found on what layer of sedimentary rock - top or bottom? (bottom)
2. How could you separate iron filings from sand? (You would use a magnet)
3. An object floats higher in water when its density is _____ (more or less) than water. (less)
4. If I want to freeze water, I need to get to get the water to what temperature?
_____ (Give it in both Celsius and Fahrenheit) (0°C /32°F)
5. The most important thing to sustain life on Earth is the _____. (sun)
6. A plant uses sunlight to get energy to produce its own food so it is considered a
_____ (producer)
7. I want to boil a large pot of water. I need to get the water to what temperature?
_____ °C or _____ °F (100°C or 212°F)
8. What do animal and plant life cycles have in common? (The offspring are similar to the parents).
9. What does the arrow mean in the food chain? → (It shows the direction of the energy flow)
10. The moisture in the atmosphere is called what? _____ (humidity)
11. Rain, snow, and sleet are examples of _____ (Precipitation)
12. What is it called when light bounces off a shiny smooth surface? (reflection)
13. To get a bulb to light you need a _____ circuit. (closed)
14. The _____ is the center of the solar system. (sun)
15. How long does it take for the moon to revolve around the earth? (about one month or a little less than 28 days)