Are trees, birds, and tables all made up of atoms?

USC JEP Young Scientist Program

What part of your body digests food?

Where are the parts located on your body?

A student puts two marbles in the cylinder and the water level rises from 43 mL to 45 mL. The student then puts the other two marbles in the graduated cylinder. What will the water level be when all four marbles are in the graduated cylinder?

Rub your hands together to warm them. Your hands are getting warm due to:

friction, gravity, sound or magnetism?

What is a food chain?

Draw a diagram which illustrates yourself on the food chain.

What is the atomic number shown here?

What does that mean?

A boy and his sister both play piano. Playing piano is an example of:

physical change, an inherited trait or a learned behavior?

Draw the same tree branch during each of the four seasons.

Draw on a piece of paper where oxygen rich blood goes after leaving the lungs. What is this organ called?

Does it remove cell waste from the blood?

Put some sugar in a cup of water. What happens to the sugar? What happens to the water?

Do ten jumping jacks. Does your heart rate increase or decrease?

Measure your right foot. How long is it? Measure the length of your left foot. How long is it? What is the difference in inches between them?

What part of this plant is responsible for photosynthesis?

When you look up in the sky what kinds of clouds do you see?

Does popping popcorn result in a product with new chemical properties?

Which of these two revolves around a planet?

Look closely at a plant. Is the function of a plant's roots is to take in:

light and water or light and air or nutrients and water?

A balloon has a negative charge and a glass rod has a positive charge. What happens when they touch?

Balance a pencil on your finger. What force is responsible for the balance?

Stand on one leg for 10 seconds. What force is responsible so that you do not fall down?

What is this animal? Is it an omnivore?

A toy truck rolls over a smooth surface. If the surface is covered with sand, the truck will most likely roll slower, faster or at the same speed?

Which of these two animals might compete with a coyote in their food chain?

What are the chemical and physical properties of water? What percentage of your body is water?

A balloon has a negative charge and a glass rod has a positive charge. What will happen?

What kind of animal is this? Is this a decomposer?

Inhale through your nose. Exhale through your mouth. What is the air that you breathe in called? What is the air that you exhale called?

What kind of consumers are humans? Rabbits? wolves?

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