

WHY? SCIENCE CARD GAME ANSWERS

1. WHY DO WE YAWN?

Whenever brain regions that control breathing senses lack of enough oxygen in the body, this involuntary reflex called yawning is initiated by the brain. Spontaneous yawning happens when we are limbering up for activity such as a workout, performance or exam, or simply when we wake up. That has led to the idea that yawning helps us gear up by increasing blood flow to the brain.

2. WHY DO VEINS/SKY APPEAR BLUE?

Veins appear blue because blue light is reflected back to our eyes. Blue light does not penetrate human tissue as profoundly as red light does. As a result, veins that are close to the surface of the skin will be more likely to reflect blue light back to the eye.

3. WHY FINGERS KEPT IN WATER TURN WRINKLED?

Staying in water for a long time washes away the sebum. Then, the water can penetrate the outer layer of the skin. This causes the skin to become waterlogged. Wrinkly fingers could be an autonomic nervous system reaction. Because it's easier to pick up wet objects with wrinkly fingers. Wrinkles on fingers may give more grip, like treads on a car tire.

4. DO WE EAT FERTILIZED OR UNFERTILIZED EGGS?

Most of the eggs you buy at the grocery store will be unfertilized due to the fact that commercial hens rarely see roosters. They are used to produce eggs, not more chickens.

5. HOW DO FLOWERS BLOOM?

Each year, the unique combination of sun, wind, water, temperature, elevation, precise location sets the stage for the springtime blooms. Use the following information to make your own predictions for this spring's showing.

6. FIREFLY: WHY/HOW DO CERTAIN ANIMALS GLOW IN THE DARK?

Few animals that glow in the dark are Fireflies, glow worms, fire-flies, squid and crystal jellyfish. Depending on the organism the glow is used to attract the prey, sometimes to warn the animals, escape the predator or to communicate with each other.

Bioluminescence is a chemical process in which an organism emits light. The lights are considered as cold lights as only a small percentage of light consists of heat. Luciferin compound which helps in producing light when it comes in contact with oxygen. Most organisms consist of their own luciferin but some absorb Bacteria that contain luciferin.

7. WHY CAN'T WE BREATHE AND SWALLOW SIMULTANEOUSLY?

Breathing ceases briefly during swallowing. The pause in breathing is due to inhibition of respiration at neural control centers in the brainstem, and not simply due to closure of the upper airway.

8. WHAT'S A VENUS FLYTRAP, AND HOW DOES IT WORK?

The Venus flytrap is a flowering plant best known for its carnivorous eating habits. The "trap" is made of two hinged lobes at the end of each leaf. On the inner surfaces of the lobes are hair-like projections called trichomes that cause the lobes to snap shut when prey comes in contact with them.

9. WHO MAKES PEARLS AND WHY?

Pearls are made by marine oysters and freshwater mussels as a natural defence against an irritant such as a parasite entering their shell or damage to their fragile body. The oyster or mussel slowly secretes layers of aragonite and conchiolin, materials that also make up its shell.