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... and to our participants!

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Science Expo 2018

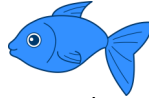## Life Science & Health Fair

Name: _____

Date: _____

UC DAVIS
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Organisms and Ecosystems

Food Chains

Food Chain Aim: _____ create their own food using energy from the sun (through photosynthesis).

_____ get their energy by eating other organisms.

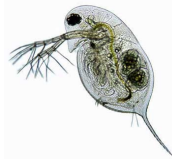_____ act as nutrient recyclers in the ecosystem by breaking down dead and decaying organisms.

On the Ground and Beneath the Surface:
Producers, consumers, and decomposers are all important parts of a

_____ chain.

Tahoe Plankton:
Zooplankton play an important role in Tahoe's food web.

They eat _____

and are eaten by _____.

Gone Fishin' in Lake Tahoe:
Name one fish found in Lake Tahoe. Is it native or non-native?

Life Cycles

Pumpkins and Butterflies and Frogs, Oh My!: Many animals and plants go through similar stages during their life cycles.
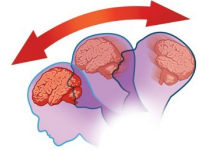
True or **False**   (circle one)

Health and Nutrition

Anatomy and Physiology

A Bone of Your Own: Your _____ is based

on posture and the movement of your _____.

Brain Waves: You get a concussion when your soft brain whacks against the inside of your

_____.

Name one symptom of a concussion:

What is the best way to prevent a concussion when you do potentially dangerous activities?


Nutrition and Wellness

Re-Think Your Drink: Students should be getting no more than

_____ teaspoons of added sugar a day.

Germy Transfer: Germs are tiny living organisms that spread disease and make you sick. Name one or more ways you can prevent the spread of germs.

Anatomy and Physiology (Hallway)

Play to Your Strength: Give two reasons why it's important to exercise.

Your Amazing Heart: Your heart is a muscle that pumps

_____ and circulates it around your body.
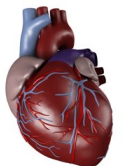
Health and Nutrition

Brain

Train Your Brain: Every time you learn something new you change the structure of your brain.
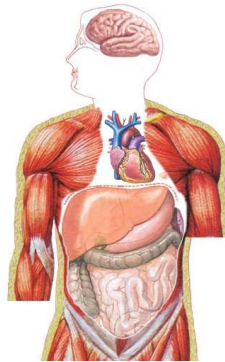
True or **False** (circle one)

Think Fast!: _____ are voluntary or

something you control, _____ are involuntary and happen unintentionally.

Confusing the Senses: Illusions trick your _____, changing how you perceive and experience your sense of touch, taste, hearing, smell, or sight.

Anatomy and Physiology

Name That Organ: Name one organ and the role it plays in your body.

Don't Hold Your Breath: Your respiratory system

transports _____ from the air into your lungs,

and _____ from your lungs into the air.

A Close Up of You:

Tissue performs special functions in the body and is
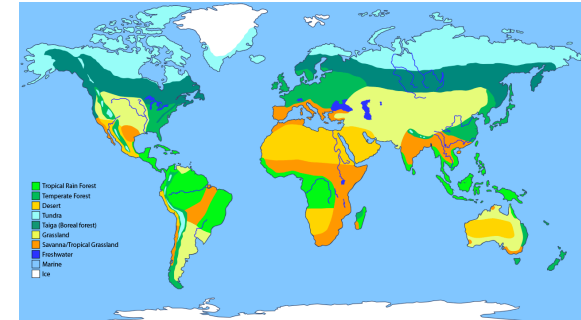
made up of _____.

Organisms and Ecosystems

Ecosystem Diversity

Bioramas: Organisms have specific physical and behavioral adaptations that allow them to survive in particular biomes.

True or **False** (circle one)

Magical Microbes: A _____ is a tiny, microscopic organism found in water, soil, and in us!

Living Together: Name two organisms that have a symbiotic relationship.

Plant Processes

In Search of Pollen:
Pollination is the process by which _____ is transferred to the female reproductive organs of a plant, thereby enabling fertilization.

Planting Party: What four things do plants need to grow?

1. _____ 2. _____ 3. _____ 4. _____

Inheritance and Adaptation

Plant Adaptations

Flower Engineers: The color and shape of different flowers are adaptations that help the plant to attract pollinators.
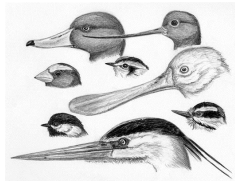
True or **False** (circle one)

Seeds on the Move: What is one way a seed can travel?

Animal Adaptations

Natural Selection in Action: What process caused the moth population to change over time?

Brilliant Bird Beaks: The shape of a bird's beak

is an _____for gathering specific food.

Blubber Glove: What helps animals living in arctic waters stay warm and keep afloat?

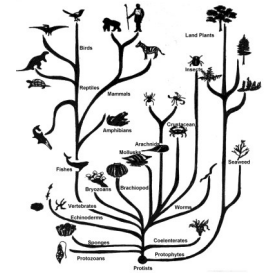**When Do I Rise?:** Name one animal that is nocturnal, one that is diurnal, and one that is crepuscular.

Inheritance and Adaptation

Diversity of Life

Tree of Life: All living things are related.

True or **False** (circle one)

Inheritance

DNA Recipes: All living things have their own

unique code called _____ that is

located inside their _____.

Fruit and Veggie DNA: Name an example of one thing that has DNA and one thing that does not have DNA.

In TCES Room 215

Crazy Traits: Different organisms vary in how they look and function because they have different inherited information from their

_____.

These _____ are based on chance.