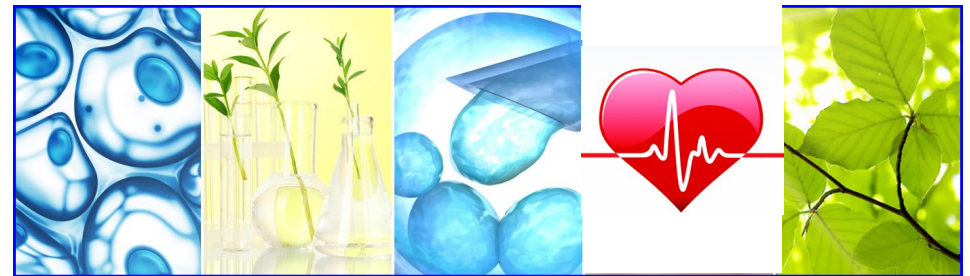


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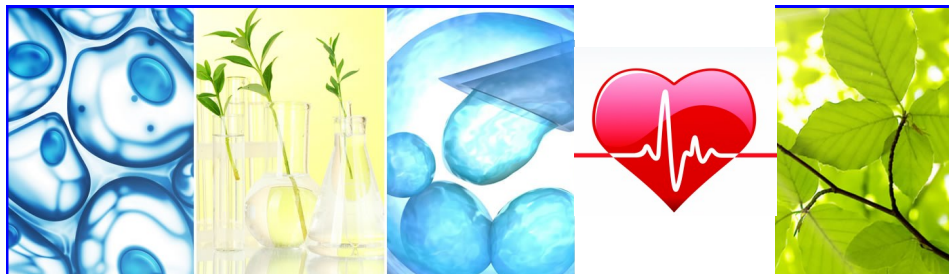
# Science Expo 2023

## Life Science & Health Fair



Name: \_\_\_\_\_

Date: \_\_\_\_\_



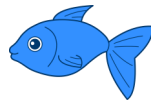
# Organisms and Ecosystems

## 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 \_\_\_\_\_.



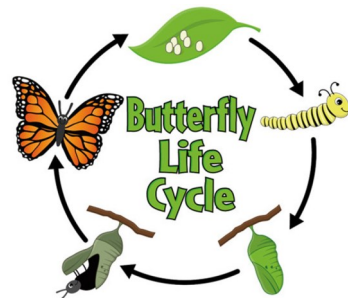
**Gone Fishin' in Lake Tahoe:** Name one fish found in Lake Tahoe. Is it native or non-native?

## 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 \_\_\_\_\_.

## Nutrition and Wellness

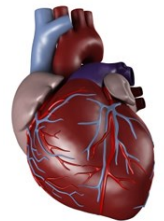
**Re-Think Your Drink:** Students should be getting no more than \_\_\_\_\_ teaspoons of added sugar a day.

**Germ 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.

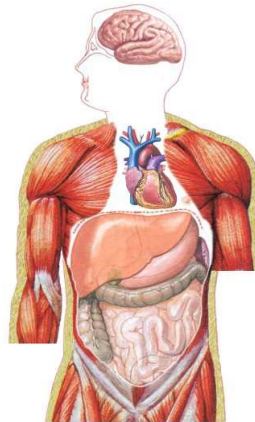


**True or False** (circle one)

**Think Fast!:** \_\_\_\_\_ are voluntary or something you control, \_\_\_\_\_ are involuntary and happen without your control.

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

**Neuro Futures Championship Game:** What technology did your group decide benefits society the most?



### Anatomy and Physiology

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

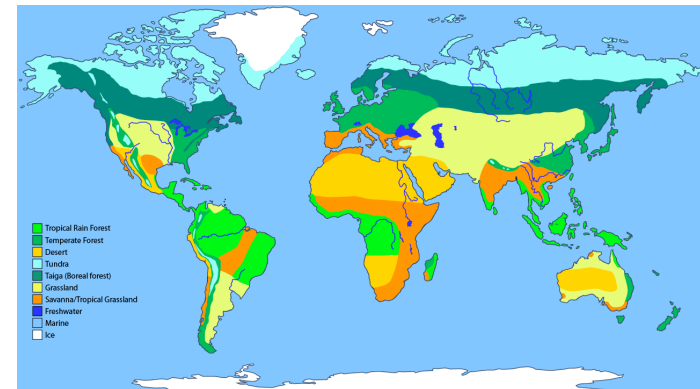
**A Close Up of You:** Tissues perform special functions in the body and are made up of different types of \_\_\_\_\_.

## 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)



**Meet the 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:** Which four things do plants need to grow?

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_

# Inheritance and Adaptation

## Plant Adaptations

**Pollination Adaptations:** The color, shape, and smell of different flowers are adaptations that help the plant to attract pollinators.

**True or False** (circle one)

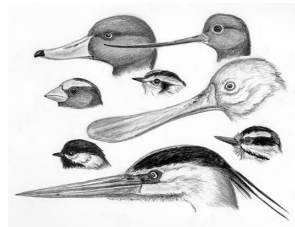


**Seeds on the Move:** What is one way a seed can travel?

## 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.



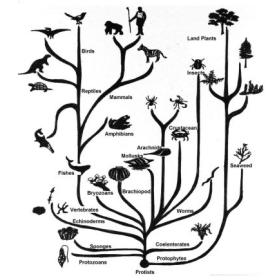
**Blubber Glove:** What helps animals living in arctic waters stay warm and keep afloat?

# 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.

**The Adaptation Game:** Living things evolve certain \_\_\_\_\_, called \_\_\_\_\_, which help them live in their environment.