

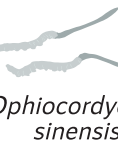






Hybrid Medical Research Lab

Q3 The exhibition highlights endangered materials in traditional Chinese medicine. Before addressing these issues, let's learn about their traditional uses. **Try matching the medicinal herbs with their effects.**

 <i>Panax</i>	<ul style="list-style-type: none"> • Protects the lungs, Benefits the kidneys, Stops bleeding
 <i>Rauvolfia serpentina</i>	<ul style="list-style-type: none"> • Reduces fever, Treats insect and snake bites, Alleviates abdominal pain and dysentery
 <i>Ophiocordyceps sinensis</i>	<ul style="list-style-type: none"> • Calms the mind, Stops palpitations
 <i>West Himalayan Yew</i>	<ul style="list-style-type: none"> • Tuberculosis, Treats respiratory infections
 <i>Rhinocerotidae</i>	<ul style="list-style-type: none"> • Clears heat, Cools the blood, Stops bleeding
 <i>Panthera Tigris</i>	<ul style="list-style-type: none"> • Dispels wind and alleviates pain, Strengthens tendons and bones

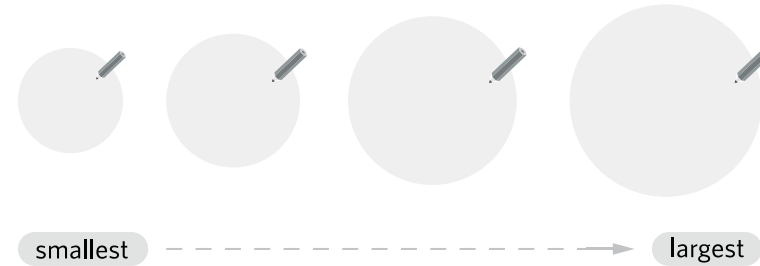
 I've completed my imagined **New Compendium of Materia Medica!**


Gene Weaving Lab

Q6 Genes determine physical traits and pass on hereditary information.

How many genes are in the human body? _____

Q7 The gene, broad defined, also includes DNA segments that carry encoded information. Can you arrange the following in order, **from smallest to largest** : DNA, gene, chromosome, nucleus?




 I've completed the collaborative **Code Studio** using programming instructions!

Intertwined Connections Lab

Human hair generates a lot of waste, so scientists are exploring ways to recycle and reuse it. **What properties of hair are being used in the following recycling methods?**

Q8 Hair is 95% _____ with a rough, scaly outer layer that attracts oil, making "hair mats" that absorb waste oil.

Q9 Hair is rich in _____, making it a good fertilizer for tomatoes and leafy vegetables.

 I've experienced making banana fiber in **Intertwined Banana Bonds!**

Science

末日學校

SCHOOL OF THE END OF THE WORLD

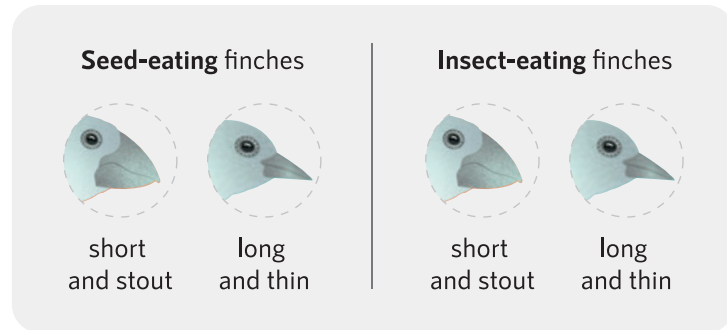
Name _____

Welcome to the "School of the End of the World"!

Let's explore the research labs and consider the challenges facing humans and our environment. We'll examine how artist and designer creations relate to scientific contexts, and imagine our future from different perspectives.

Speculative Human Organ Lab

Q1 "Evolution" is how organisms adapt to their environment over time. Look at the Galápagos finches illustration. **Can you spot the differences between seed-eating and insect-eating finches?** **Circle** the correct beak shape.



Q2 "Speculative design" helps us envision possible futures. Designers Dunne and Raby use the PPPP diagram to illustrate these scenarios. **Please fill in the corresponding discussion scenarios below.**

- A Preferable** futures
- B Probable** futures
- C Plausible** futures
- D Possible** futures

- Outcomes designed by most designers, the feedback they receive, and how effectively these designs communicate to and are understood by the public.
- Preparations and solutions that businesses implement in their operations management to address potential future challenges.
- How speculative designers connect the current real world with proposed possible worlds.
- Directions determined by decision-makers such as government and industry leaders.

I've completed my **Anatomy of Ideas : Designing the Future** using speculative design!

Self-Sustaining Living Lab

Q4 Modern buildings mostly use concrete and bricks, but how did people in the past use local materials? **Match building materials with the residents who used them.**

- Taiwan Zelkova, Formosan Michelia wood
- A** Narrow-leaved oak, Formosan Michelia wood
- B** Coral stone
- C** Bricks made from coal ash

1 Residents of coastal Penghu

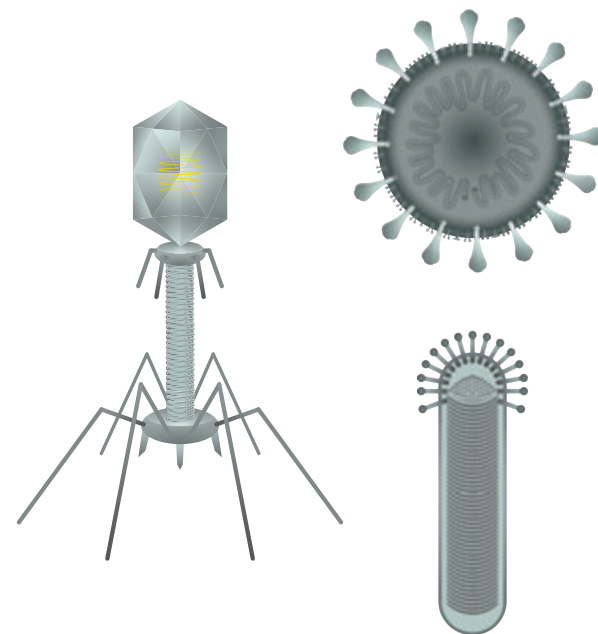
2 Indigenous people

3 West Africa and the Gaza Strip

I've completed **Build Post-Apocalyptic Apartment!**

Perception & Communication Lab

Q5 In the lab, you'll see various virus shapes, including the geometric "bacteriophage". **Try drawing it by connecting the dots!**



I've finished my dialogue with **Virus Knit!**

