BEAST LAB

1 CREATE YOUR CREATURE!

Name: _____

Date: _____

1 Flip two coins for each trait category.



2 Circle your coin result.

Both Heads | Both Tails | Head & One Tail



3 Record your trait and build your beast!

TRAIT CATEGORY	BOTH HEADS	BOTH TAILS	HEAD & ONE TAIL	MY TRAIT (Write or draw)
1. BODY COVERING Keeps you safe and helps you survive.	**Warm Fur** (traps body heat)	**Feathers** (keeps warm & dry)	**Scales** (protects skin & retains moisture)	
2. MOVEMENT How you get around.	**Strong Legs** (runs & leaps)	**Wings** (flies in air)	**Webbed Feet** (paddles in water)	
3. SEASONAL ACTION What you do at different times of the year.	**Hibernates** (sleeps in winter)	**Migrates** (flies south in winter)	**Stores Food** (gathers nuts in burrows)	
4. DANGER TACTIC How you stay safe.	**Hides or Freezes** (stays very still)	**Runs Away Rapidly** (escapes quickly)	**Warning Call** (loud sound to alert others)	

BUILD YOUR BEAST!



Hello! My Name Is:

_____

BEAST LAB 2 SURVIVAL TEST!

Name: _____

Date: _____

Take your creature outside and see if it can survive in the schoolyard ecosystem!

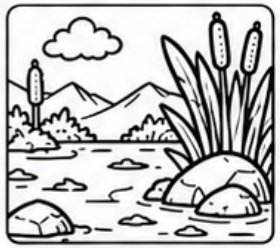
1 EXPLORE THE SCHOOLYARD ECOSYSTEM

Look around and be a nature detective! What do you see?

What kind of place is it?



☐ **Terrestrial** (Land)



☐ **Aquatic** (Water)

Living Things I See

(biotic factors)

Plants & Trees:

_____

_____

_____

Animals & Insects:

_____

_____

Nonliving Things I See

(abiotic factors)

Sunlight: ☐ Direct Sun ☐ Partial Shade ☐ Full Shade

Water: ☐ Water is present ☐ No standing water (dry)

Ground: ☐ Grass ☐ Dirt ☐ Leaves ☐ Paved

Air: ☐ Warm ☐ Cool ☐ Windy

2 TEST EACH TRAIT

Place your creature in the schoolyard **ecosystem**. Does each trait help or cause a problem?

Trait	Helpful (✓)	Problem (X)	Why?
Body Covering	☐	☐	_____
Movement	☐	☐	_____
Seasonal Action	☐	☐	_____
Danger Tactic	☐	☐	_____

DOES YOUR BEAST HAVE EVERYTHING IT NEEDS TO SURVIVE?

3 SURVIVAL CLAIM

Could your creature survive in this schoolyard **ecosystem** year-round?

☐ **YES!** It can get food, water, shelter, and stay safe.

☐ **NO.** It is missing: _____

BEAST LAB

Name: _____

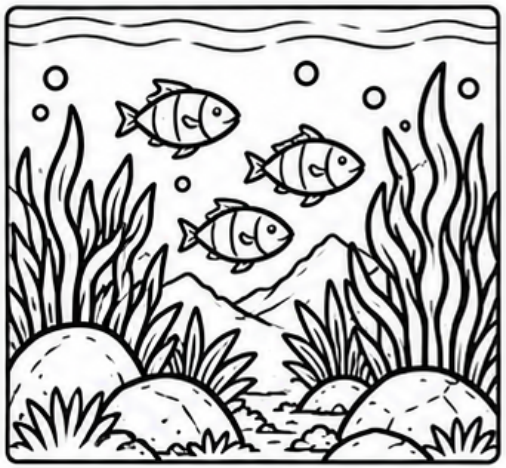
Date: _____

Now it's time to design an ecosystem where your creature could survive year-round!

3 DESIGN A BETTER ECOSYSTEM!

1 CHOOSE AN ECOSYSTEM TYPE





☐ **Terrestrial (Land)**
(forest, meadow, woodland, desert)

☐ **Aquatic (Water)**
(pond, river, lake, ocean)

2 PLAN YOUR ECOSYSTEM

Think about what your creature needs to live, grow, and have babies!

Food Source
What does it eat?

Water Source
Where does it drink or swim?

Shelter
Where does it hide or sleep?

Nonliving Features
What else does it need?
(Sunlight, air, soil, temperature)

3 DRAW YOUR ECOSYSTEM

Use the next page to draw a detailed picture of your ecosystem. Include your creature, food sources, water, shelter, and other important features. Label your drawing!

BEAST LAB

4 DRAW YOUR ECOSYSTEM!

Draw a detailed ecosystem where your creature can survive year-round.

- Your creature
- Food sources
- Water sources
- Shelter
- Plants and other living things
- Nonliving features (sunlight, air, soil, temperature)