

Aspen Creek Trek



1. Find a plant or animal to study and observe. Describe your plant or animal with a drawing and detailed observations in the space below.

2. What adaptations do you think your plant or animal have to help it survive in this environment?

3. How does this environment look different from where you live?



Bones/Owl Whoo!

1. What are three functions of the skeletal system and give an example of a bone that helps with each?

1.

2.

3.

2. Why do you think the skeletons of a human, rodent, and owl look different?

3. Draw an owl and label three adaptation an owl has to help it hunt and eat its prey?

Bones in pellet	Number found
Cranium	
Jaw (mandible)	
Scapula	
Rib	
Pelvic bone	
Vertebrae	

Creek Studies

1. List three observations about the water and surrounding habitat:

- 1.
- 2.
- 3.

2. Based on these observations, do you think the stream is healthy?

3. Record your data from the experiment:

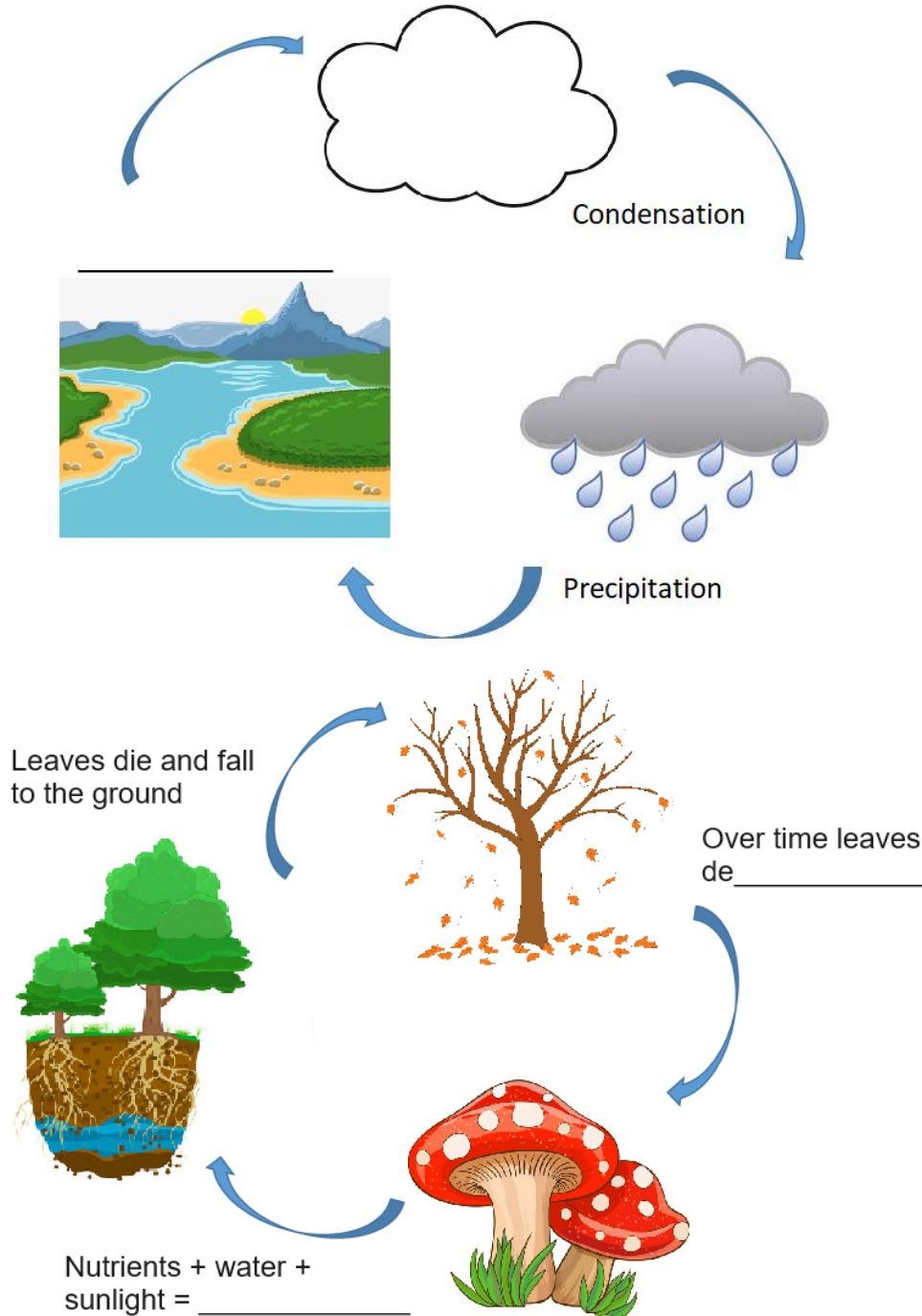
Identification (name of organism)	Estimated number found	Pollution sensitive, semi-tolerant, or tolerant

4. Draw a conclusion from the experiment. Is the water healthy?

5. What is one thing you could do to help increase the health of the water near you?

Cycle Factory

Fill in the missing blank for each cycle:



What are two ways that you can reduce pollution in the systems that we learned about today?

1. _____

2. _____



ENERGY!



1. Make a hypothesis: Which temperature water should you use if you want a more delayed reaction?

2. Record your data from the experiment:

Water Temperature (degrees __)	Time until tablet is fully dissolved (seconds)

3. Was your hypothesis supported? Use the data table to explain why or why not.

4. Using the words “*potential energy*” and “*kinetic energy*,” describe what happens when you put Alka-Seltzer and water into you film canister rocket:



Ecosystems



- 1. What is an Ecosystem comprised of?**

- 2. Describe the Ecosystem you observed at each site. (Trees, bushes, rocks, water, buildings, natural, unnatural, tall/short, big/small)**
 - Site 1:**

 - Site 2:**

 - Site 3:**

- 3. Did you see a lot of birds/animals, few, or none? why do you think you saw the number of birds/animals you did?**

- 4. Draw and describe an animal you observed and what you observed it doing.**

Geocaching



1. What is geocaching?

2. What does GPS stand for?

3. What are three ways you could find your way around without GPS technology?

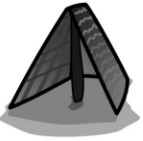
1.

2.

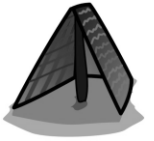
3.

4. Fill in the secret numbers to find the final cache!

12 S 0 3 **UTM 3 8**
A B C D E **F G H I J**



Shelter Building



1. What are some basic human needs?

Inputs	Processes	Outputs

2. What are two examples of how humans use shelter to reach their basic human needs today?

1.

2.

3. What materials did you use to build your shelter?

4. How would you change your shelter design in the future?

Smokey the Bear Says...



1. Draw the fire triangle and list two examples for each segment:

2. List three factors that affect the intensity and spread of forest fires:

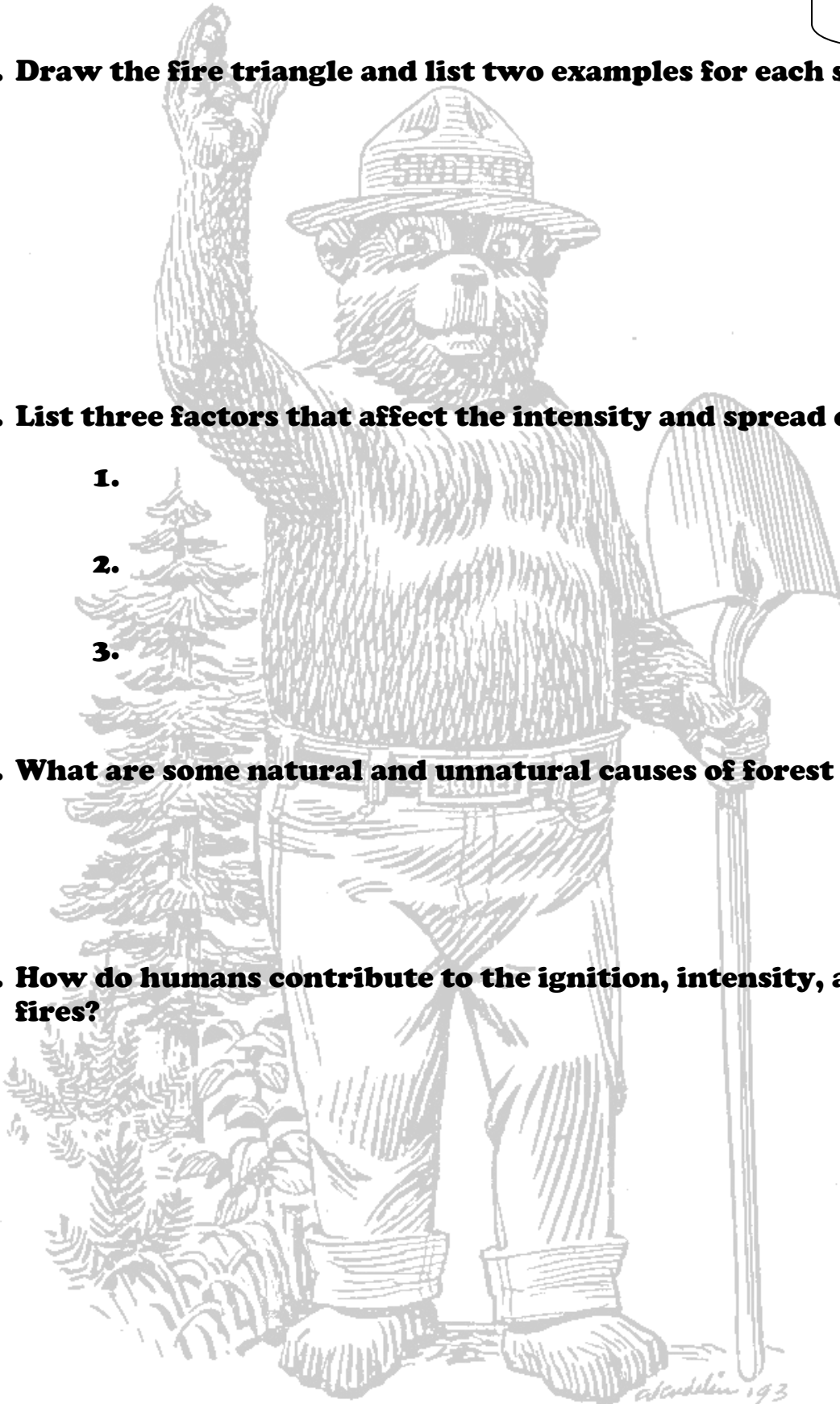
1.

2.

3.

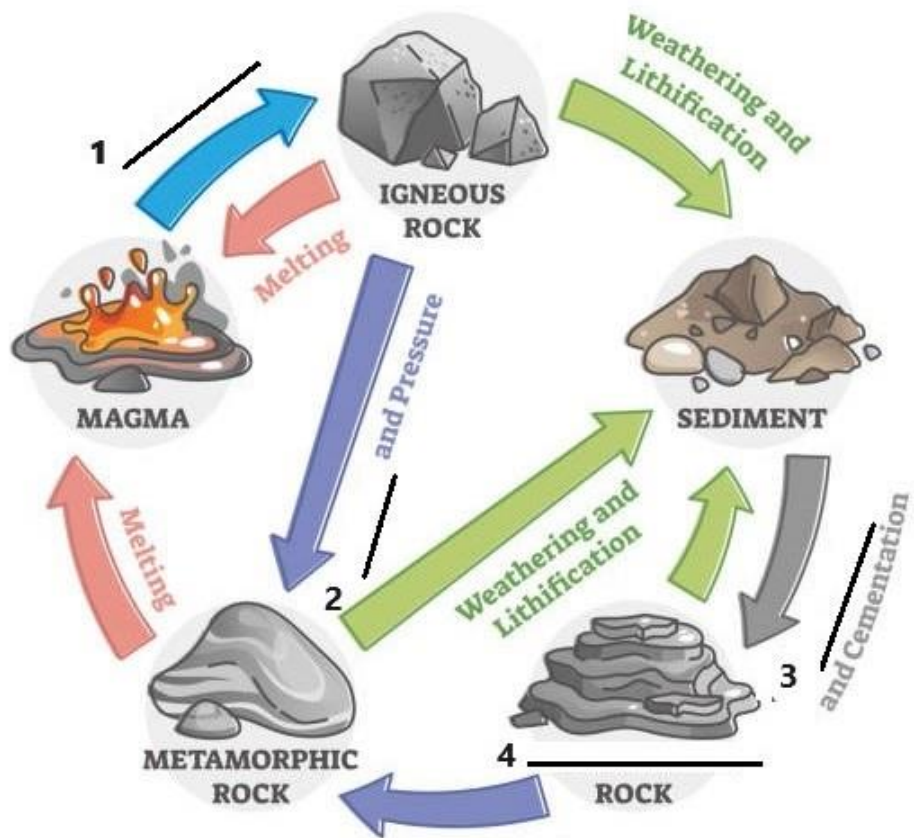
3. What are some natural and unnatural causes of forest fires?

4. How do humans contribute to the ignition, intensity, and spread of forest fires?



Rocks

Fill in the blanks:



Name 1 event that can cause the following:

flowing lava -

weathering of rocks -

intense heat and pressure -

Gold is 3 different things. What are they?

1.

2.

3.

Teambuilding

- 1. What was your favorite activity and why?**
- 2. What did you learn about working as a team that you will continue to use after you leave Science Camp?**
- 3. What was the most challenging thing you did? How did you work through the challenge to complete it?**

