

Names: _____ Period: _____

Create an Alien

Alien Profile: Page 1

In this activity, you will create an alien from another planet with a partner of your choice. Your alien must be organic (living), though it may have synthetic parts. Incorporate the following details in your drawing. Use your imagination! Who knows what's out there. Answer the questions below to help with your drawing.

1. What is your alien's name? _____
2. What species is your alien? _____
3. What is the name of your alien's home planet? _____
4. What does your alien look like? For example, how many arms, legs, eyes, heads, mouths, ears, noses, fingers and toes does your alien have?

Draw your alien on page one. Place your alien's name at the top and your planets name underneath. Label and describe your alien's external features.

Alien Circulatory System: Page 2

Compare your alien's circulatory system with the human circulatory system. Answer the following questions to help make your comparisons. If you alien does not have a circulatory system, explain why. How does its body work?

1. Does your alien have blood or a substance like blood? _____
2. If so, what color is it? _____
3. What makes it this color?

4. How does your alien's blood (or other substance) move around its body?

5. Does your alien's blood or other substance travel through anything like a heart? If so, what?

6. What is the purpose of your alien's circulatory system? Does it carry or deliver anything? If so, what?

Draw your alien's circulatory system on page two. Label and describe all of the parts.

Respiratory System: Page 3

Compare your alien's respiratory system with the human respiratory system. Answer the following questions to help make your comparisons. If your alien does not have a respiratory system, explain why. How does its body get what it needs to survive?

1. List the major parts of your alien's respiratory system.

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2. What elements i.e., oxygen, nitrogen, carbon dioxide make up the atmosphere on your alien's planet? Which element is most essential to your alien's survival?

3. Does your alien breathe the air on its planet? _____

4. If not, what does it breathe? _____

5. Where does the essential element enter your alien's body?

Draw a picture of your alien's respiratory system on page three and trace how this element travels through your alien's body. Label all organs as well.

6. What does your alien exhale? _____ Trace the path of this gas as it leaves your alien's body.

Alien Digestive System: Page 4

Compare your alien's digestive system with the human digestive system. Answer the following questions to help make your comparisons. If your alien does not have a digestive system, explain why. How does it get the nutrients that it needs to survive? Does it get hungry? Draw a picture of your alien's digestive system. Make up names and label and describe the parts.

1. Does your alien eat? If so, what does it eat?

2. How does your alien take in food?

3. How does your alien break down food?

4. Does it have any way to mechanically break down food? Is it a chemical process? Or both?

5. How does food move through the alien's digestive system?

6. How does your alien get nutrients to its body?

Alien Skeletal System: Page 5

Compare your alien's skeletal system with the human skeletal system. Answer the following questions to help make your comparisons. If your alien does not have a skeletal system, explain why. How does it hold its form? How does it move? Draw a picture of your alien's skeletal system. Make up names and label and describe the parts.

1. Is your alien a vertebrate or an invertebrate (does it have a backbone or not)?

2. What supports your alien's body?

3. Are these structures rigid or flexible? _____

4. How does your alien move? Does it have feet? Does it have something else? Explain.

5. How does your alien's body bend?

Alien Muscular System: Page 6

Compare your alien's muscular system with the human muscular system. If your alien does not have a muscular system, explain why. How does it move? Draw a picture of your alien's muscular system. Make up names and label the parts. Answer the questions below.

1. How do your alien's muscles help it move?

2. Do muscles control your alien's body systems? If so, which ones?

3. Are they voluntary or involuntary muscles? If not, how are the body systems controlled?

4. Is exercise important to your alien? Explain your answer.

5. Which muscles are most important for your alien? Why?
