

Human  
Machine

Home Packet

(keep at home  
until it is finished!)

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

**Why do your biceps bulge?****Exit Ticket**

1. In the video, Doug claims that the human body “works a lot like a robot.” **What is at least one way that our bodies are similar to robots?**

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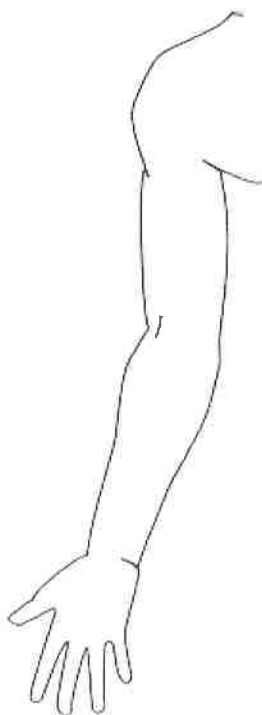
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2. Using the arm diagram below, **explain how biceps move your lower arm.** Add labels, arrows, and words to help you explain what happens.



3. Would you be able to move if you didn't have bones? Why or why not?

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

### What do people who are blind see?

#### Exit Ticket

1. What causes some people to have blurry vision?

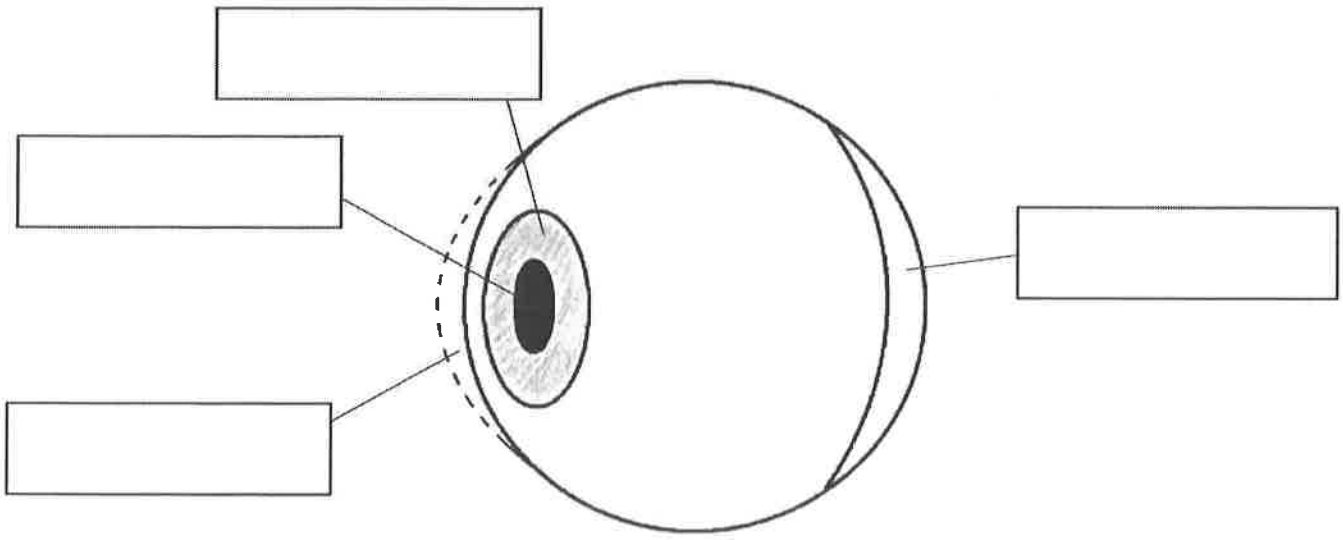
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2. How does light enter the eye? On this drawing of the eye, **label** the **retina**, **cornea-lens**, **iris**, and **pupil**. Then use a big **arrow** to show where light enters the eye.



3. What would happen if your cornea-lens were cloudy instead of clear? What would you see?

If the cornea-lens were cloudy, \_\_\_\_\_

\_\_\_\_\_, Things would look \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

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

### How can some animals see in the dark?

#### Exit Ticket

1. Over winter break, Jenny went to see the movie Frozen 2 at the movie theater with her friend Sara. Right before the movie and previews started, the lights in the theater were turned off. **What do you think happened to Jenny and Sara’s pupils as the lights went off? Why?**

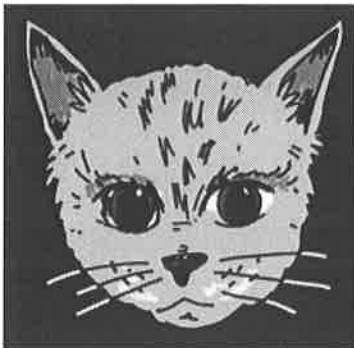
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2. Eric looks closely at the eyes of three different animals. He is trying to figure out which animals are nocturnal. **What would you tell him? Which animals do you think are nocturnal? How do you know?**



Cat



Blue Jay



Owl

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

**How does your brain control your body?**

**Exit Ticket**

- 1. Why does it look like you have a hole in your hand when you try the hole-in-hand illusion?

It looks like that because \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

- 2. What is the difference between your movement nerves and your sensory nerves?

Movement nerves \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Sensory nerves \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3. On the drawing below, **add arrows** and **words** to explain what happened as you did the “Reaction Time” activity.

