

DEMONSTRATE UNDERSTANDING

Task P1 *A Gold Mine of a Fish*

Question 1

Describe what makes killifish embryos **important** to scientists and **different** from other embryos.

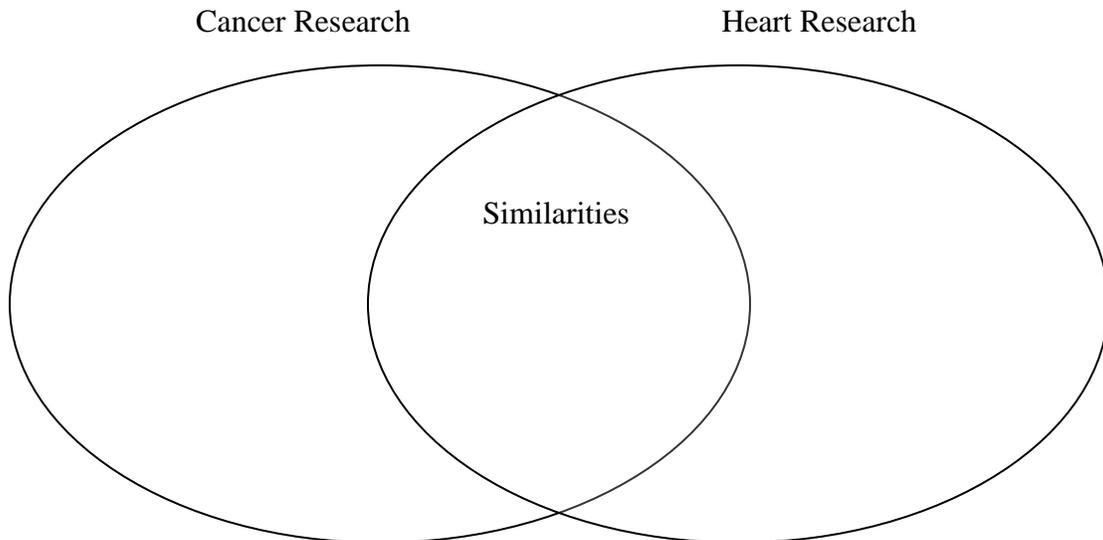
Important:

Different:

Question 2

Use the Venn diagram below to show the similarities and differences between the use of the killifish in cancer research and heart research.

Killifish Use in Research



Task P2 – *Finding Strength on the Mat*

Question 1

If you were explaining this article to someone who had not read it, what would you say about it? Be sure to include enough details for the person to understand it well.

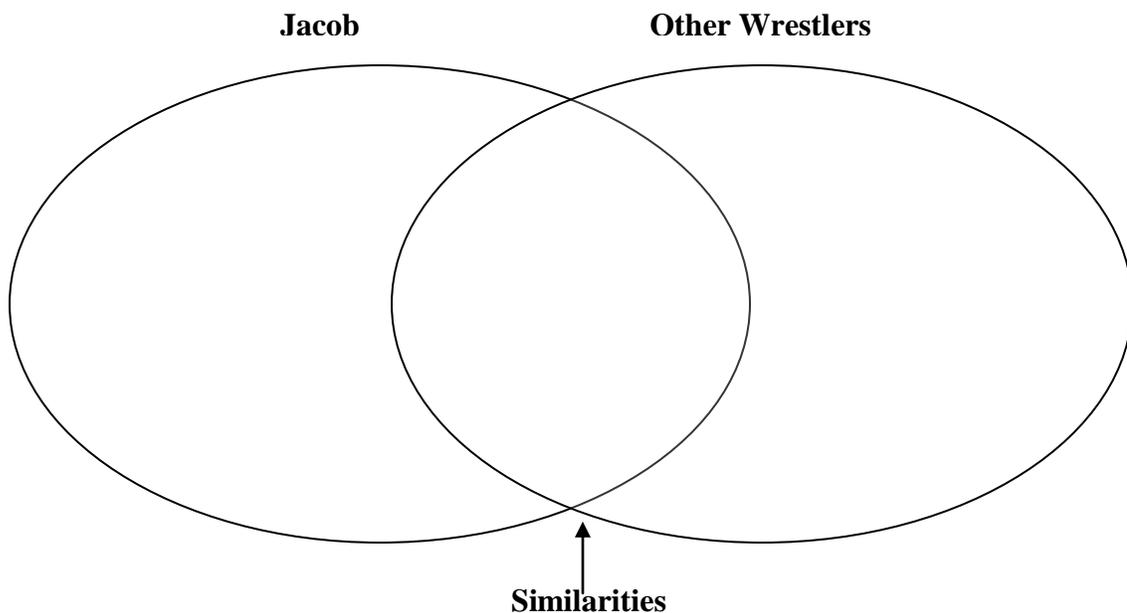
Question 2

Based on this article, identify three characteristics of Jacob Hall. Use a quote or example from the article to support your answers.

Characteristic	Quote or Example from article
a.	a.
b.	b.
c.	c.

Question 3

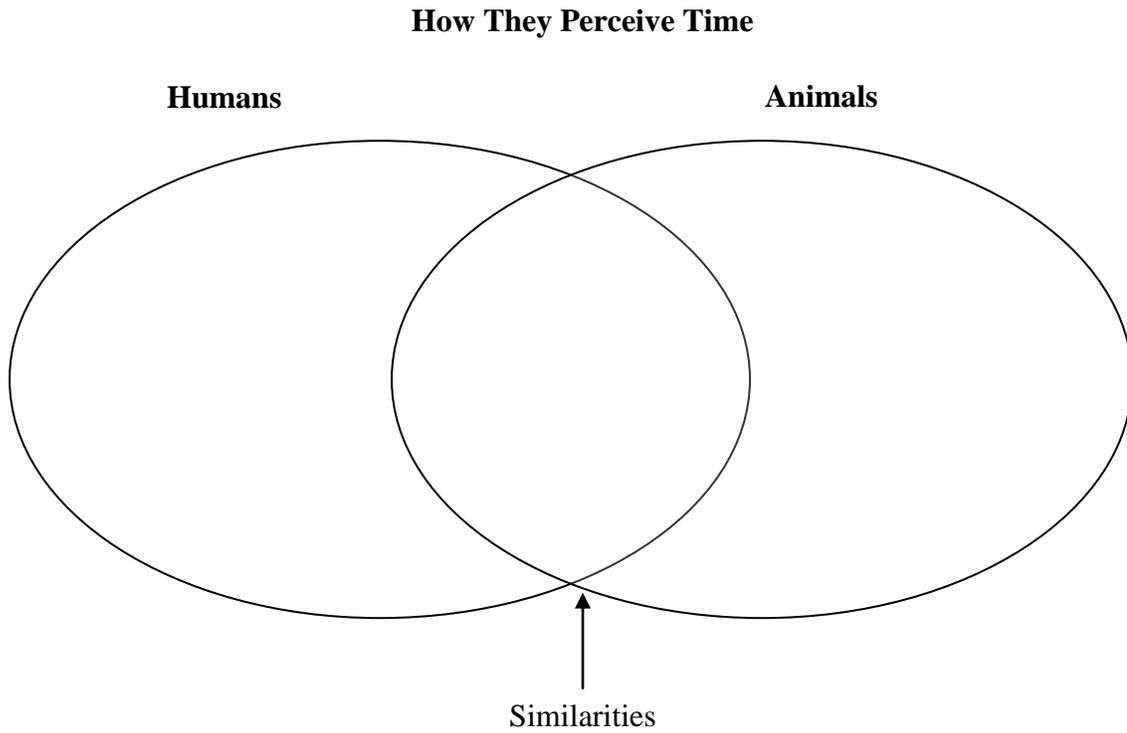
Use the Venn diagram below to show how Jacob Hall is similar to and different from other wrestlers his age.



Task P3 *How do Dogs Perceive Time?*

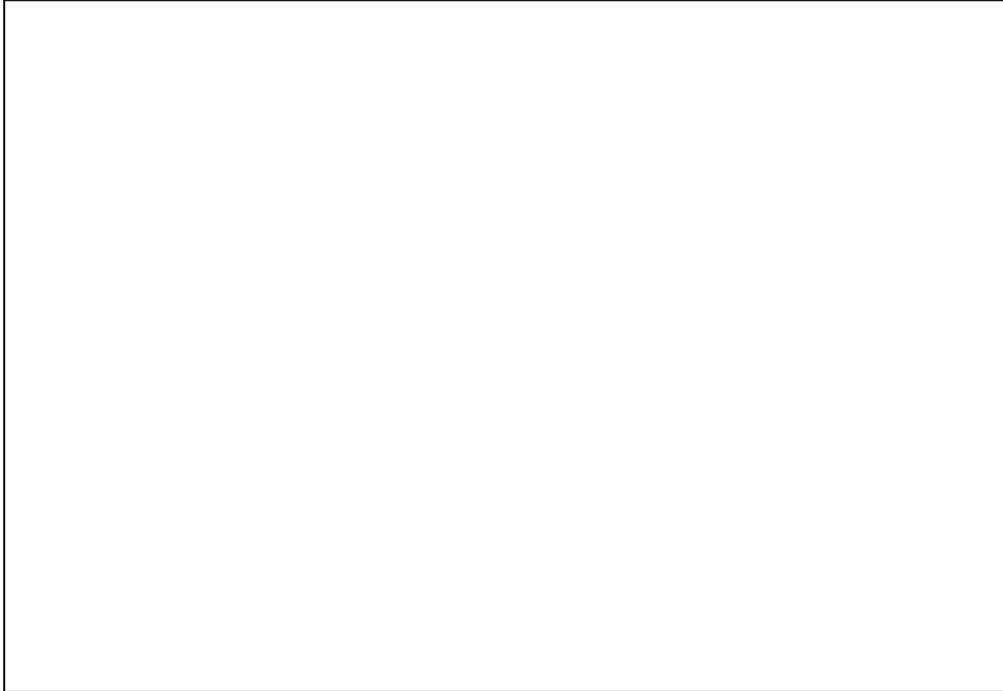
Question 1

Use the Venn diagram to **list and explain** several **differences** from the article and how humans and animals understand time.



Question 2

The box below represents the mind of a dog. Draw pictures or use words to show your understanding of how a dog knows when it is dinner time. You may include direct quotes from the article.



Question 3

In the section on **How a Dog's Memory Works**, the author discusses how a variety of animals perceive time. List below at least three theories that have been developed through research studies on other animals.

a.

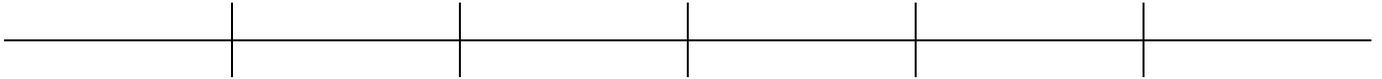
b.

c.

Task F3 *That's One Mammoth Molar*

Question 1

Use the line below to **create a timeline** of the boys' discovery and the ultimate reporting of it in the newspaper. Include **at least 5** events in your timeline.



Question 2

What different **possibilities** did the boys consider the object to be when they began to dig it up?
Identify at least three.

1)

2)

3)

Question 3

Find at least **one fact** and **one opinion** in the article and **explain** why you think it is a fact or opinion.

Fact:	Explain:
Opinion:	Explain:

Task F5 *Americans Destined for a Diet of Bread and Water?*

Question 1

What was the general health of the honeybee population **before** the mystery die-off began? **Give an example** from the text.

Question 2

Find at least **one fact** and **one opinion** in the article and **explain** why you think it is a fact or opinion.

Fact:	Explain:
Opinion:	Explain:

Task F6 *Students Programmed to Help Out Their Rivals*

Question 1

If you were trying to summarize this article for someone who had not read it, what would you say about it?

Question 2

A new word has been created by the Robotics event, “coopetition.” Explain what this word means and give examples of how it is demonstrated by the teams at the regional event.