

## Protist Research Assignment

Search the internet and watch the videos to answer the following questions.

1. Malaria <https://www.youtube.com/watch?v=nFcvDVfIXRI>

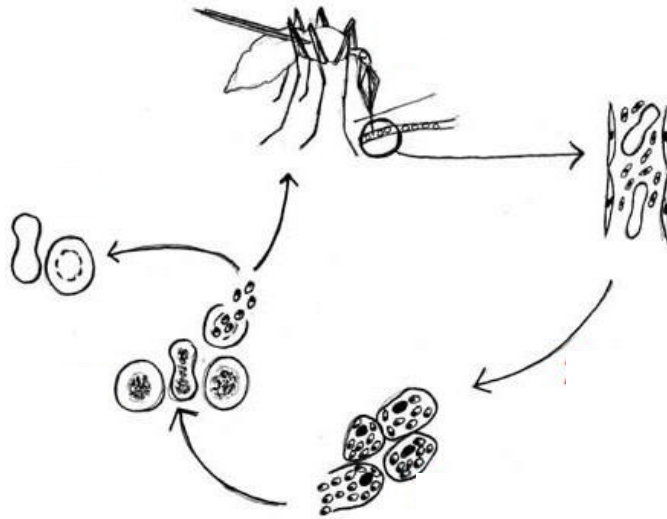
a) What does the word "Malaria" mean? How did this disease get its name?

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b) What protist causes Malaria? \_\_\_\_\_

c) Label the following diagram its reproductive cycle using #1-5 .



<b>1</b>	<b>The female mosquito places her pointed mouthparts into the skin of her victim.</b>
<b>2</b>	<b>The malaria parasite moves to the liver in the bloodstream.</b>
<b>3</b>	<b>The parasite reproduces itself in the liver cells.</b>
<b>4</b>	<b>The parasite moves out of the liver cells and infects the red blood cells.</b>
<b>5</b>	<b>As the parasite multiplies in numbers, so more red blood cells are infected.</b>

d) Why are 2 hosts necessary for its survival?

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e) What symptoms do people having this disease experience?

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f) Many people die from Malaria each year. Give 2 reasons why this disease is becoming more common?

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2. Tripanosomiasis <https://www.youtube.com/watch?v=4aVUrGO97Zg>

a) What protist causes this disease? How is it spread? \_\_\_\_\_

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b) What is the common name of this disease? How do you think this disease gets its name?

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c) In what area of the world is it commonly found? \_\_\_\_\_

d) What is the ultimate cause of death for individuals infected with this parasite?

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3. Dinoflagellates [https://www.youtube.com/watch?v=ifTE\\_q84NdE](https://www.youtube.com/watch?v=ifTE_q84NdE)

<https://www.youtube.com/watch?v=uqJbUKEPgXc>

a) What is a Red Tide? What causes it?

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b) How can Red Tide be dangerous to humans?

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c) How do some species, such as *Lingulodinium polyedra* react when threatened by a predator?

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4. Slime Mold <https://www.youtube.com/watch?v=K8HEDqoTPgk>

a) What is a slime mold?

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b) Why are slime molds thought to be intelligent? Explain how it is able to “remember” where food is?

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c) Slime molds are difficult to classify into 1 kingdom. Explain why.

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