Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Pd:\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Protist Station**

**Station1: Matching #1**

|  |  |
| --- | --- |
| **Name of Protist** | **Name of Protist** |
| 1. | 1. |
| 2. | 2. |
| 3. | 3. |
| 4. | 4. |
| 5. | 5. |
| 6. | 6. |
| 7. | 7. |

**Station 2: Protists Reading**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| |  |  | | --- | --- | | 1. | In general, the Kingdom Protista contains: http://stories.edhelperclipart.com/clipart/bubblea.jpg  Organisms that must get their food from other organisms http://stories.edhelperclipart.com/clipart/bubbleb.jpg  Organisms that make their own food http://stories.edhelperclipart.com/clipart/bubblec.jpg  Organisms with a membrane-enclosed nucleus and who don't fit in any other kingdom | | |  |  | | --- | --- | | 2. | Most protists move with the help of: http://stories.edhelperclipart.com/clipart/bubblea.jpg  Cilia, flagella, or pseudopods http://stories.edhelperclipart.com/clipart/bubbleb.jpg  Euglena and amoeba http://stories.edhelperclipart.com/clipart/bubblec.jpg  Muscles and bones | |
| |  |  | | --- | --- | | 3. | You would find most protists living in: http://stories.edhelperclipart.com/clipart/bubblea.jpg  Antarctica http://stories.edhelperclipart.com/clipart/bubbleb.jpg  A moist environment http://stories.edhelperclipart.com/clipart/bubblec.jpg  A desert | | |  |  | | --- | --- | | 4. | What does pseudopod mean? http://stories.edhelperclipart.com/clipart/bubblea.jpg  False foot http://stories.edhelperclipart.com/clipart/bubbleb.jpg  Making seed pods http://stories.edhelperclipart.com/clipart/bubblec.jpg  False animal | |
| |  |  | | --- | --- | | 5. | What are pseudopods used for? http://stories.edhelperclipart.com/clipart/bubblea.jpg  Moving http://stories.edhelperclipart.com/clipart/bubbleb.jpg  Trapping food http://stories.edhelperclipart.com/clipart/bubblec.jpg  Both a and b | | |  |  | | --- | --- | | 6. | What are cilia? http://stories.edhelperclipart.com/clipart/bubblea.jpg  Hair-like projections http://stories.edhelperclipart.com/clipart/bubbleb.jpg  A type of chemical in the cell http://stories.edhelperclipart.com/clipart/bubblec.jpg  Silly feet | |
| |  |  | | --- | --- | | 7. | What are flagella? http://stories.edhelperclipart.com/clipart/bubblea.jpg  False feet http://stories.edhelperclipart.com/clipart/bubbleb.jpg  Whip-like structures that spin quickly http://stories.edhelperclipart.com/clipart/bubblec.jpg  Flags that show protists where to go | | 8. Where do Protists mostly live?   1. In people's homes, beds, couches and dirty clothes 2. They live in rotten food and moldy cheese 3. In wet places, such as oceans, lakes, ponds, rivers and streams 4. On hairy animals such as bears, dogs, cats, mice and even pigeons |
| Are Protists dangerous?   1. Yes, they can cause dangerous diseases like malaria and sleeping sickness 2. No, they are far too small to harm anyone 3. No, they are healthy to eat and are used to kill off bad bacteria in water |  |

**Station 3: Algae in your House?**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name of Food** | **Carrageenan** | **Beta Carotene** | **Agar** | **Alginates** |
| **Whipped Cream** |  |  |  |  |
| **Oriental Noodles** |  |  |  |  |
| **Soy Milk** |  |  |  |  |
| **French Vanilla Creamer** |  |  |  |  |
| **Chicken Soup** |  |  |  |  |
| **Egg Beaters** |  |  |  |  |
| **Vanilla Pudding** |  |  |  |  |
| **Fruit Pies** |  |  |  |  |
| **Nutri-Grain Bar** |  |  |  |  |
| **Margarine** |  |  |  |  |
| **Gerber Graduates Cookies** |  |  |  |  |

**Station 4: Matching #2**

|  |  |
| --- | --- |
| **Name of Protist** | **Name of Protist** |
| 1. | 1. |
| 2. | 2. |
| 3. | 3. |
| 4. | 4. |
| 5. | 5. |
| 6. | 6. |
| 7. | 7. |
| 8. | 8. |

**Station 5: First Look**

|  |  |
| --- | --- |
| **Paramecium** | **Amoeba** |
|  |  |
| **Volvox** | **Euglena** |
|  |  |

Describe in your own words what each organism looks like. BE SPECIFIC!

|  |  |
| --- | --- |
| **Paramecium** |  |
| **Amoeba** |  |
| **Volvox** |  |
| **Euglena** |  |

**Station 6: The Amoeba &Paramecium Readings**

**Amoeba**

1. Why are amoebae called “shape-shifters?”
2. How do Amoebae move?
3. What do amoebae eat?
4. How do amoebae eat?

1. Why is a pseudopod important to an amoeba?

**Paramecium**

1. What does it mean to be single-celled or unicellular?

1. What is the purpose of cilia for and why are cilia so neat?
2. Do paramecium reproduce sexually or asexually? Explain what this means.
3. Are paramecium autotrophs or heterotrophs? Explain. (Think about what they eat)
4. What happens when a paramecium meets a predator
5. How are paramecium helpful? How are they harmful?
6. Why are paramecium the most complex of the protists?

**Station 7: The Euglena &Volvox Readings**

**Euglena**

1. What does the flagella do for the Euglena?
2. Is a Euglena a heterotroph or an autotroph or both? Explain.
3. What do chloroplasts do for the Euglena?
4. What does the eye spot do for the Euglena?
5. Describe the movement of a Euglena.

**Volvox**

1. What is an example of a Volvox?
2. About how many volvox live together in a colony?
3. What purpose do flagella serve for the Volvox?
4. How do Volvox obtain food energy?
5. What does chlorophyll help the volvox do?
6. How do volvox reproduce?
7. How are volvox helpful/harmful to humans? Why?

**Station 8: Disease Causing Protists #1**

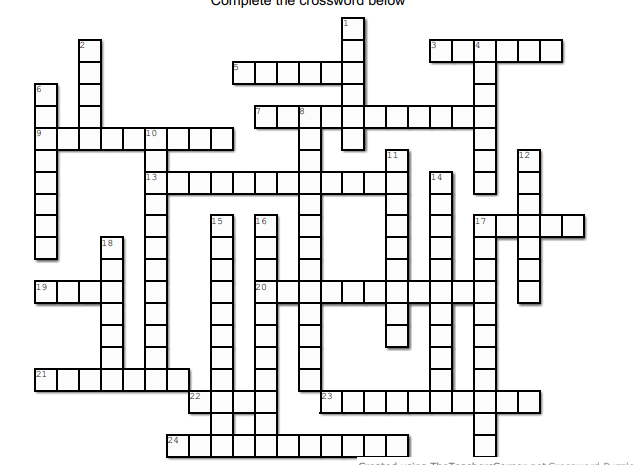
|  |  |
| --- | --- |
| Disease name | **Malaria** |
| Protist name |  |
| Transmission  (how does the disease spread?) |  |
| Symptoms |  |
| Treatment |  |
| Prevention |  |

|  |  |
| --- | --- |
| Disease name | **Primary Amebic Meningoencephalitis** |
| Protist name |  |
| Transmission  (how does the disease spread?) |  |
| Symptoms |  |
| Treatment |  |
| Prevention |  |

**Station 9: Disease Causing Protists #2**

|  |  |
| --- | --- |
| Disease name | **Amebiasis** |
| Protist name |  |
| Transmission  (how does the disease spread?) |  |
| Symptoms |  |
| Treatment |  |
| Prevention |  |

|  |  |
| --- | --- |
| **Disease name** | **Giardia** |
| Protist name |  |
| Transmission  (how does the disease spread?) |  |
| Symptoms |  |
| Treatment |  |
| Prevention |  |

**Station 10: Crossword Puzzle**