**Kingdom Protista Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Protists**

**Protist Diversity**

* **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ species come in different \_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_, and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**
* **All are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ --- have a \_\_\_\_\_\_\_\_\_\_\_\_\_ and membrane-bound \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**

1. **Protozoans -------- \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Protists**

**Protozoans**

* **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ --- made up of one cell**
* **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_---- they eat other \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ or dead organic matter**
* **Classified by how they \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Phyla of Protozoans**

**Amoebas: the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

* **No \_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
* **Move using \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ --plasma extensions**
* **\_\_\_\_\_\_\_\_\_\_\_ bits of food by flowing \_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_ them.**

**Flagellates: the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

* **Use a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ extension called a \_\_\_\_\_\_\_\_\_\_\_\_\_\_ to move**
* **Some \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ diseases**

**Ciliates: the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ones**

* **Move \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ tiny hairs called \_\_\_\_\_\_\_\_\_\_\_\_**

**Sporazoans: the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

* **Non-motile --- Do not \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
* **Live inside a \_\_\_\_\_\_\_\_\_\_\_\_\_\_**
* **One type causes \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

1. **Algae ------ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Protists**

**What are Algae?**

* **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ -- made of more than one cell**
* **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_----make their own \_\_\_\_\_\_\_\_\_\_\_\_\_\_**
* **No \_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_, or \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
* **Each has \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and other photosynthetic pigments.**

**Phyla of Algae**

**Euglenoids: The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

* **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
* **Move around like \_\_\_\_\_\_\_\_\_\_\_\_\_**
* **Can \_\_\_\_\_\_\_\_\_\_\_\_ food from surroundings when \_\_\_\_\_\_\_\_\_\_\_\_ is not available**

**Diatoms: The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Ones**

* **Have \_\_\_\_\_\_\_\_\_\_ made of silica(glass)**
* **Photosynthetic \_\_\_\_\_\_\_\_\_\_\_\_ called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ --give them a golden color**

**Dinoflagellates: The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Ones**

* **\_\_\_\_\_\_\_\_\_\_\_\_\_ around using \_\_\_\_\_\_\_\_\_ flagella**
* **Responsible for \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_**
* **Create \_\_\_\_\_\_\_\_\_\_ that can \_\_\_\_\_\_\_\_\_\_\_ animals and sometimes \_\_\_\_\_\_\_\_\_\_\_\_**

**Red Algae: The…….uh……\_\_\_\_\_\_\_\_\_\_ Ones (duh)**

* **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
* **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, marine organisms**
* **Have \_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_ pigments**

**Brown Algae: The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Ones (You think?)**

* **They have \_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to help them float at the surface-where the \_\_\_\_\_\_\_\_\_\_ is.**

**Green Algae: Yeah, You Guessed it, The \_\_\_\_\_\_\_\_\_\_\_ Ones**

* **\_\_\_\_\_\_\_\_\_\_\_\_ live in \_\_\_\_\_\_\_\_\_\_\_ water**
* **Can be \_\_\_\_\_\_\_\_\_\_\_\_\_\_ or multicellular**
* **Live \_\_\_\_\_\_\_\_\_\_\_\_ or in groups called \_\_\_\_\_\_\_\_\_\_\_\_\_**

1. **Fungus-Like Protists**

**Characteristics in Common**

* **All form \_\_\_\_\_\_\_\_\_\_\_\_\_\_, netlike structures on the surface of their \_\_\_\_\_\_\_ source**
* **\_\_\_\_\_\_\_\_\_\_\_\_ energy by \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ organic material**

**Phlya of Fungus-Like Protists**

**Slime Molds**

* **Live in cool \_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_ places where they \_\_\_\_\_\_\_\_ on damp, organic matter**

**Plasmodium Slime Molds**

* **Form plasmodium: a \_\_\_\_\_\_\_\_ of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ that contains many diploid nuclei but no \_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_ or membranes ---its feeding stage**
* **\_\_\_\_\_\_\_\_\_\_\_\_\_ by amoeboid movement ---\_\_\_\_\_\_\_ cm/hour**
* **May reach more than a \_\_\_\_\_\_\_\_\_\_\_\_ in diameter**
* **Form \_\_\_\_\_\_\_\_\_\_\_\_\_\_ structures when surroundings \_\_\_\_\_ up**
* **\_\_\_\_\_\_\_\_\_ are dispersed by the \_\_\_\_\_\_\_\_\_\_ and grow into new plasmodium**

**Cellular Slime Molds**

* **In \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ mode, they exist as individual \_\_\_\_\_\_\_\_\_\_\_\_\_ cells**
* **When food becomes scarce, they come \_\_\_\_\_\_\_\_\_\_\_\_ with thousands of their own kind to \_\_\_\_\_\_\_\_\_\_\_\_\_\_**
* **May look like a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Water Molds and Downy Mildews**

* **\_\_\_\_\_\_\_\_\_\_\_\_ in water or \_\_\_\_\_\_\_\_\_\_\_ places**
* **Feed on \_\_\_\_\_\_\_\_\_\_\_ organisms or parasitize \_\_\_\_\_\_\_\_\_\_\_\_**
* **Fuzzy white \_\_\_\_\_\_\_\_\_\_\_\_\_**