Name _____

Protists!!!

Protists are __single celled organisms that contain a nucleus__

Protists live in __watery environments, moist soil, inside other living organisms__

A few characteristics of protists: **__Can be autotrophic or heterotrophic__**

__Most live as individual cells__

__Some live in large colonies__

There are three major kinds of Protists: **__animal-like, plant-like, fungus-like__**

<u>Animal-like</u> can be broken into 4 groups: **__Sarcodines (amoeboids)__**

__Ciliates__

__Zooflagellates__(No bueno)

__Sporozoans__(No bueno)

<u>Sarcodines</u> (Amoeboids) – All have a psuedopod, or a __"false foot"__.

- **The Pseudopod is a footlike extension that an amoeba uses to move and capture food – for example – the Amoeba**

Sketch an amoeba:

<u>Ciliates</u> – Have small __hairlike__ projections called cilia on the outside of their cells that act like tiny __oars__ to help move them. Ex. Paramecium

Sketch a paramecium:

<u>Zooflagellates</u> - are animallike protists that move using a __flagellum or flagella (more than one)__

- **Many live commensally inside other critters, though a few are parasites! – Ex. __Giardia__**

Sketch a Zooflagellate:

Sporozoans – All are parasites that __that feed on the cells and body fluids of their host animals__

Plant-like – All capture energy __from the sun using chloroplasts__

Three major groups - __Euglena__

__Diatoms__

__Dinoflagellates__

Euglena - __posses a flagella, eyespots, and green structures used in photosynthesis called chloroplasts__

Draw me here:

Diatoms - __are plantlike protists made of a tough, glasslike silicon material__

Draw an example here:

Dinoflagellates - __are plantlike protists that have two flagella and armor-like cell walls__

Sketch:

Fungus-like Protists - __are heterotrophic, have cell walls, and use spores to reproduce. Ex. Slime molds__