

Air bladders for floating
Kelp forest and sargassum
Alternation of generations
Lifecycle involving alternation of multicellular haploid phase (gametophyte) with a multicellular diploid phase (sporophyte)
1n gametophyte: grows from spores and produces gametes
2n sporophyte grows from fused gametes and produces spores
Sometimes 1n and 2n look identical; sometimes different
Typical life cycle in plants and seaweeds
(lifecycle process is an animation on d2l)

Amoebozoa

Amoeboid motion using pseudopodia
Heterotrophic protozoans
Feed by engulfing prey (phagocytosis)
Primarily live in freshwater and moist terrestrial habitats
Some are disease-causing parasites on animals

Importance of protists

Diseases

Malaria, crop diseases, amoeboid dysentery
Malaria is the world's most important parasitic disease
Malaria is caused by protists *plasmodium*

GI disorder (giardiasis) caused by protist giardia

Algal blooms

Red tide and shellfish toxin caused by dinoflagellate blooms

Primary productivity

Half of all productivity occurs by photosynthetic protists (diatoms and other phytoplankton)

Eaten by zooplankton and decomposed by other protists

Important part of aquatic food chains

Ecosystems

Check powerpoint