

Topic 14 – Introduction to Algae

Reading:

1) Hoefnagels (2018) Section 18.2 (p. 364-367)

I. What is an Alga?

A. Any photoautotroph not in Kingdom Plantae

Note that Hoefnagels restricts the term “algae” to photosynthetic protists, which are eukaryotes, but Dr. Hardy notes that it is acceptable to also call Cyanobacteria (a synonym of bluegreen algae) as a type of algae. This is because the term “alga,” as historically used,

B. Characteristics of algae

C. Where do you find them?

II. Seaweeds

A. Seaweeds are macroscopic algae from marine environments

B. They come from 3 algal lineages, each distinguished by their accessory pigment profile and thus color

C. Morphology of seaweeds