

Topic 12 – Free-sporing Plants (Bryophytes & Pteridophytes)

Reading:

- 1) Hoefnagels (2018) Section 19.1-19.3 (p. 380-387)
- 2) Hardy & Wagner (2018) Bryophytes & Pteridophytes.
- 3) Optional: Rushforth et al. (2016). Chap6 (Bryophytes) & Chap 7 (Seedless Vascular Plants)

Preface

What does free-sporing mean?
Characteristics of all free-sporing plants

I. Bryophytes

- A. Liverworts
 1. Leafy and Thalloid Forms
 2. Gametophytes (thalloid forms)
 - a. Vegetative
 - b. Reproductive
 3. Sporophytes
- B. Mosses (see Fig 19.9, p. 385)
 1. Gametophytes
 - a. Vegetative
 - b. Reproductive
 2. Sporophytes

II. Pteridophytes

- A. Rhyniophytes
- B. Lycopods
- C. Horsetails & Scouring-rushes
- D. Ferns (see Fig 19.11, p. 387)
- E. Ancient Coal Swamps