

# Biology I - diy NOTES

## Chpt 21.2, 22.1, 22.2 (Plants part 2)

### Non-seed Plants

Name \_\_\_\_\_

Date \_\_\_\_\_ Hour \_\_\_\_\_

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*Read chapter 21.2, 22.1 & 22.2 in your text, pages 564-587.*

*Fill in the blanks (or answer the questions) below using the information you have read.*

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The Plant Kingdom can be divided into 2 groups:

1. \_\_\_\_\_ plants
2. \_\_\_\_\_ plants

### Non-seed Plants:

These plants reproduce with \_\_\_\_\_ .

They include \_\_\_\_\_ and \_\_\_\_\_ organisms.

7 Divisions:

### Non-vascular Non-seed Plants: (most primitive)

#### 1. Hepaticophyta (fig 21.6 \_\_\_\_ )

- include \_\_\_\_\_ plants commonly known as \_\_\_\_\_ .
- vascular / non-vascular?
- live only in \_\_\_\_\_ environments
- water and nutrients move throughout by \_\_\_\_\_ and \_\_\_\_\_ .
- may be the \_\_\_\_\_ of \_\_\_\_\_ !

#### 2. Anthocerophyta (fig 21.6 \_\_\_\_ )

- size: \_\_\_\_\_
- common name: \_\_\_\_\_
- vascular / non-vascular?
- live only in \_\_\_\_\_ environments
- water and nutrients move throughout by \_\_\_\_\_ and \_\_\_\_\_ .

Non-Seed Plants:

3. Bryophyta (fig 21.6 \_\_\_\_ )

- commonly known as the \_\_\_\_\_ .
- vascular / non-vascular ?
- moss plants are usually less than \_\_\_\_\_ tall, and have leaf-like structures only \_\_\_\_\_ cells thick.
- form spores in \_\_\_\_\_ .

Vascular Non-seed Plants:

4. Psilophyta (fig 21.6 \_\_\_\_ )

- known as \_\_\_\_\_
- vascular / non-vascular ?
- have neither \_\_\_\_\_, or \_\_\_\_\_ , but have \_\_\_\_\_ that cover each stem.

5. Lycophyta (fig 21.6 \_\_\_\_ )

- known as \_\_\_\_\_
- vascular / non-vascular ?
- formed a large part of \_\_\_\_\_ .
- became part of the \_\_\_\_\_ now used for fuel.

6. Arthrophyta (fig 21.6 \_\_\_\_ )

- known as \_\_\_\_\_ .
- vascular / non-vascular ?
- Have \_\_\_\_\_, \_\_\_\_\_ stems
- contain \_\_\_\_\_ in their stems

7. Pterophyta (fig 21.6 \_\_\_\_ )

- known as \_\_\_\_\_ .
- vascular / non-vascular ?
- have leaves called \_\_\_\_\_ .