

Name: _____

Date: _____

Life Science

Period: _____

Section 3.3 – Seeds and pollen are reproductive adaptations

Answer the following questions while reading about seeds and pollen, pages C98-103.

1. How is fertilization in seedless plants different than fertilization in plants with seeds?

2. What does a seed require in order for it to germinate? _____

3. List 3 ways that seeds are different from spores:

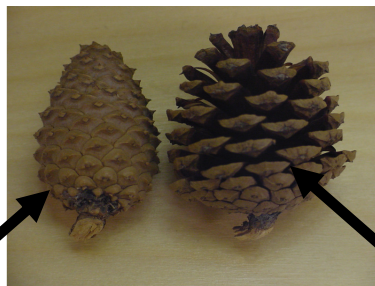
a. _____

b. _____

c. _____

4. Where on the pine tree are the reproductive structures found? _____

5. What are the two types of cones, and what do each contain?



_____ pine cone

_____ pine cone

produces: _____

produces: _____

6. In pine cones, when does fertilization occur?

7. Which kind of seed plants do scientists think were the first to inhabit Earth, and how long have they been around?

8. What is so distinctive about gymnosperms that provide them with their name?



9. What adaptation enables a conifer to survive dry, wintery conditions?

10. Aside from conifers, list three other gymnosperm groups:

- a. _____
- b. _____
- c. _____