Sci 9 **Developing Zygote Worksheet**  Name:

*Read pages 88-91 in your text and your notes to answer the following questions.*

1. Name three ways that embryos are protected in sexually reproducing organisms.
2.
3.
4. What are two forms of nutrition that are found in plant seeds?
5.
6.
7. What conditions are necessary for germination?
8. What structure in a seed develops into a stem?
9. A seed can be a monocot or a dicot. What is the difference? Give an example of each.
10. Draw a seed, label the following parts and give a function of each. Radicle, Cotelydon, epicotyl, Hypocotyl, seed coat.
11. What are the similarities between a seed and an egg?
12. List three types of egg protection.
13.
14.
15.
16. Draw and label the parts of an amniotic egg. Give the function of each part.
17. List two species of egg-laying mammals.
18. Compare three types of mammals in terms of where the embryo develops.
19.
20.
21.
22. Compare the development of the zygotes of a bird, a tapeworm, and a horse by listing the advantages and disadvantages of each method of reproduction:

|  |  |  |
| --- | --- | --- |
|  | Advantages | Disadvantages |
| Bird |  |  |
| Tapeworm |  |  |
| Horse  |  |  |