

Worksheet: Understanding Seed Germination

Part 1: Conditions for Germination

1. Fill in the blanks:

- Seeds need _____ and an appropriate _____ to germinate.
- Seeds do NOT need _____ to germinate.

2. True or False:

- Seeds are protected by a seed coat.
- Seeds need light to germinate.
- Seeds swell after absorbing water.
- Seeds can germinate at any temperature.

Part 2: The Germination Process

3. Put these steps in order (number them 1-7):

- The shoot grows up.
- The seed absorbs water and swells.
- The first roots grow down.
- The first leaves appear.
- The embryo uses nutrients from its food store to grow.
- The seed coat splits.
- The seed shrivels and dies.



Part 3: Comprehension Check

4. Short Answer Questions:

- Why don't seeds need light to germinate?
- What happens to the seed after the first leaves appear?
- Why is water important for germination?