

- 1) A pollen grain has an outer layer called intine that is made of sporopollenin.
- A) True
- B) False
- 2) A microspore mother cell undergoes meiosis to form four microspores arranged as a tetrad.
- A) True
- B) False
- 3) In a typical angiosperm ovule, the chalaza is the opening where the pollen tube enters.
- A) True
- B) False
- 4) In an anther, the outer wall layer called the epidermis helps with protection and dehiscence.
- A) True
- B) False
- 5) A pollen grain contains a large vegetative cell and a smaller ____ cell.
- 6) In a typical angiosperm ovule, the opening where integuments are absent is called the ____.
- 7) In an anther, the layer that provides nourishment to the developing pollen is called the ____.

8) The outer wall of a pollen grain is the ____.

9) Because sporopollenin is absent at the opening in a pollen grain wall, the pollen tube enters through the ____.

10) In a mature angiosperm embryo sac, the two polar nuclei remain in the central cell, while the egg apparatus contains two synergids and one ____ cell.

