PLANT STRUCTURE

MULTIPLE CHOICE.
Choose the one alternative that best completes the statement or answers the question.

1) The "embryonic root" of a seed plant embryo is called the

Answer: _____

A) radicle B) hypocottyl C) cotyledon D) plumule E) epicotyl

2) The portion of stem located above the cotyledons of a newly germinated seedling is called the

Answer: _____

A) hypocotyl B) axillary bud C) radicle D) epicotyl E) node

3) In the developing embryo of a seed plant, the epicotyl arises from the

Answer: _____

A) axillary bud B) cotyledons C) plumule D) radicle E) derivative

4) The section of a stem between the points where leaves are attached is called a(n)

Answer: _____

A) apical meristem B) callose C) node D) internode E) petiole

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5) The cuticle of plants

Answer: _____

A) is part of the vascular tissue system.

B) helps control water loss.

C) produces sap.

D) produces sugars through photosynthesis.

E) all of the above

6) Taproots are found mostly in

Answer: _____

A) monocots and dicots.

B) gymnosperms and dicots.

C) monocots.

D) nonvascular plants.

E) seedless vascular plants.

7) Monocots include

Answer: _____

A) beans and peas.

B) lilies and corn.

C) palm trees and beans.

D) lilies and peas.

E) all of the above

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8) In a root, cells begin differentiating to perform different functions in the

Answer: _____

A) zone of elongation.

B) zone of maturation.

C) zone of cell division.

D) quiescent center.

E) none of these

9) Horizontal above-ground stems are called runners or

Answer: _____

A) corms

B) stolons

C) tubers

D) internode

E) rhizomes

10) The edible part of the Irish potato is a

Answer: _____

A) taproot

B) corm

C) stolon

D) bulb

E) tuber

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