

Advanced Viticulture and Enology Studies

Viticulture · Practice Test · 10 Questions

1. What is the primary biological process by which yeast converts grape sugars into ethanol and carbon dioxide?

- A) Photosynthesis
- B) Fermentation
- C) Respiration
- D) Transpiration

2. Which specific part of the grapevine is responsible for absorbing water and mineral nutrients from the soil?

- A) Tendrils
- B) Xylem
- C) Roots
- D) Petiole

3. What is the botanical term for the process of the grapevine's berries changing color from green to red, purple, or gold?

- A) Veraison
- B) Budburst
- C) Dormancy
- D) Flowering

4. In wine production, what is the 'must'?

- A) The residual skin and seeds after pressing
- B) The fermented alcohol byproduct
- C) The freshly crushed fruit juice containing skins and seeds
- D) The yeast used to initiate fermentation

5. Which environmental factor is primarily managed by the viticultural practice of 'canopy management'?

- A) Soil pH levels
- B) Sunlight exposure to grape clusters
- C) Trellis post installation
- D) Annual rainfall amounts

6. What is the primary purpose of 'racking' during the winemaking process?

- A) To add yeast to the juice
- B) To clarify the wine by separating it from settled sediment
- C) To increase the alcohol content
- D) To bottle the final product

7. Which common grapevine pest is a microscopic aphid that feeds on the roots and leaves of *Vitis vinifera*?

- A) Phylloxera
- B) Mealybug
- C) Spider mite
- D) Fruit fly

8. What is the primary role of tartaric acid in the chemical composition of grapes?

- A) Providing protein for yeast
- B) Maintaining the pH balance and stability of the wine
- C) Attracting pollinators to the vine
- D) Converting sunlight into sugar

9. Which geographical feature is most critical in creating a 'rain shadow' effect that influences vineyard climate?

- A) Coastal plains
- B) River valleys
- C) Mountain ranges
- D) Plateaus

10. What is the main difference between 'vinification' and 'viticulture'?

- A) Vinification is the study of soil, while viticulture is the study of chemistry
- B) Viticulture is the cultivation of grapes, while vinification is the production of wine
- C) They are synonymous terms
- D) Vinification occurs in the vineyard, while viticulture occurs in the cellar