

Nature and Organic Chemistry

Organic Chemistry · Answer Key · 8 Questions

1. What organic gas is naturally released by ripening fruits like bananas and apples?

- A) Methane
- B) Ethylene**
- C) Propane
- D) Butane

2. Which simple organic acid is present in ant venom and causes a burning sensation from stings?

- A) Formic acid**
- B) Citric acid
- C) Lactic acid
- D) Salicylic acid

3. Which organic hydrocarbon gas is naturally produced by cows during digestion?

- A) Ethane
- B) Methane**
- C) Acetylene
- D) Benzene

4. What sulfur-containing organic compounds give skunk spray its foul smell?

- A) Alcohols
- B) Esters
- C) Thiols**
- D) Aldehydes

5. Which organic acid naturally provides lemons and limes with their sour taste?

- A) Citric acid**
- B) Formic acid
- C) Acetic acid
- D) Oxalic acid

6. Which class of organic hydrocarbons gives pine trees their fresh, woody aroma?

- A) Terpenes**
- B) Ketones
- C) Amines
- D) Nitriles

7. Which green organic pigment molecule helps plants absorb energy from sunlight?

- A) Carotene
- B) Chlorophyll**
- C) Melanin
- D) Hemoglobin

8. Which organic acid is responsible for the sharp taste and smell of vinegar?

- A) Acetic acid**
- B) Citric acid
- C) Malic acid
- D) Tartaric acid