

## Worksheet: Organic Chemistry — Basic Principles

Gujarat State Board · Class 11 · Chemistry · 5 questions · 13 marks

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Score: \_\_\_\_\_ / 13

**Q1.** What is a chiral carbon? Give an example. [2 marks]

---

---

---

**Q2.** Name  $\text{CH}_3\text{-CH}(\text{CH}_3)\text{-CH}=\text{CH}_2$  by IUPAC rules. [2 marks]

---

---

---

**Q3.** Arrange ethanol, acetic acid, phenol, and water in decreasing order of acidity. [3 marks]

---

---

---

**Q4.** Define resonance and state the conditions for it. [3 marks]

---

---

---

**Q5.** Why is a tertiary carbocation more stable than a primary carbocation? [3 marks]

---

---

---