

St. Andrews Scots School

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Session: 2025-2026 - Worksheet

Class: VIII

Subject: Science

Topic: Combustion and Flame

Q.1. Define:

- (a) Combustion
- (b) Flame
- (c) Fuel
- (d) Ignition temperature
- (e) Acid rain

Q.2. Answer in one word:

- (a) What acts as a fuel for our body?
- (b) What is the unit for expressing the calorific value of a fuel?
- (c) Which part of a flame does a goldsmith blow for melting gold and silver?
- (d) Name the hottest part of candle flame.
- (e) Which gas is called supporter of combustion?

Q.3. Answer the following Questions:

- (a) Why cannot we use water for the fire at petrol pump? What type of temporary arrangements are available there?
- (b) How does the bursting of crackers which contains some phosphorus, sulphur and magnesium along with chemicals can pollute our environment?
- (c) Anu wants to boil water quickly. On observing the different zones of the flame, she is not able to decide which zone of the flame will be best for boiling water quickly. State your views.
- (d) Why dry leaves catch fire easily?
- (e) People usually keep angeethi/burning coal in their closed rooms during winter season. Why is it advised to keep the door open?