

**KVS ZIET BHUBANESWAR**  
**INTERACTIVE WORKSHEET**  
**TOPICS: ENDOTHERMIC & EXOTHERMIC REACTION**  
**SUBJECT: CHEMISTRY**  
**STANDARD: IX & X**

**A.K.GUPTA, TA(CHEMISTRY)**

**Energy Changes in Chemical Reactions**

**Watch the video before answering the questions** 📺

[https://www.youtube.com/watch?v=yvyHVA1Ww\\_M](https://www.youtube.com/watch?v=yvyHVA1Ww_M)

**Endothermic – more energy goes into the reaction than goes out (absorbs heat and cools the surrounding area)**

**Exothermic – more energy goes out of the reaction than goes in (releases heat and heats the surrounding area)**

**Now select the correct option from column 2/3 for the process mentioned in column 1**

| <b>Column 1</b>      | <b>Column 2</b> | <b>Column 3</b> |
|----------------------|-----------------|-----------------|
| burning match        | endothermic     | exothermic      |
| making ice cubes     | endothermic     | exothermic      |
| melting ice cubes    | endothermic     | exothermic      |
| evaporation of water | endothermic     | exothermic      |
| baking bread         | endothermic     | exothermic      |
| photosynthesis       | endothermic     | exothermic      |
| cellular respiration | endothermic     | exothermic      |