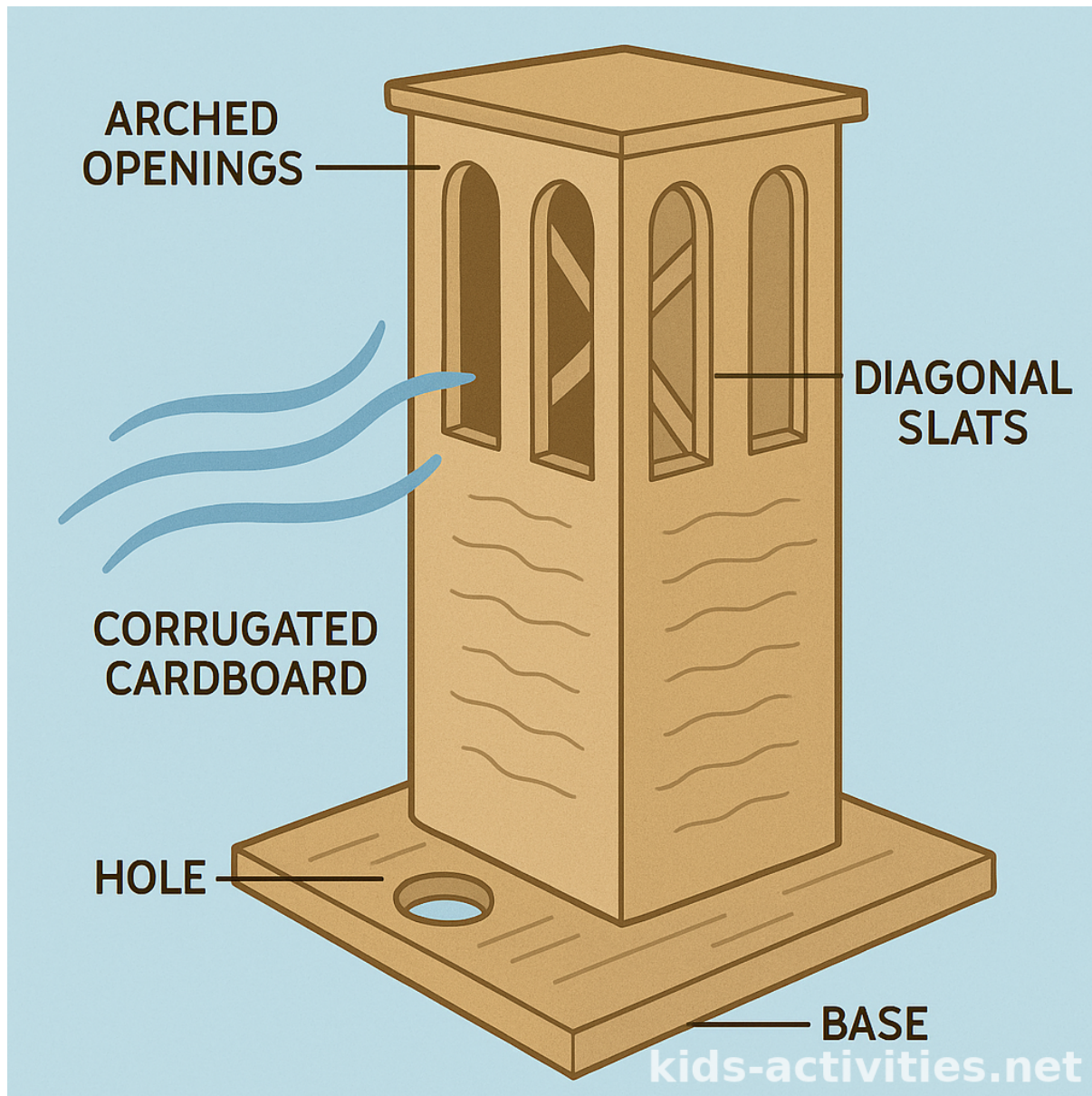


## Wind Tower Template & Folding Guide

Use this template to build a wind-catching paper tower inspired by traditional Persian architecture.

Cut along the lines, fold at the dotted marks, and glue panels together to form a working wind tower model.

Suggested materials: cardboard or thick paper, glue, scissors, ruler, and small fan for testing airflow.



# Ventilation Building Comparison Chart

| Structure       | Country       | Airflow Technique          | Materials       |
|-----------------|---------------|----------------------------|-----------------|
| Badgir          | Iran          | Wind capture, stack effect | Mud brick, wood |
| Mashrabiya      | Egypt         | Lattice cooling            | Wood            |
| Jali            | India         | Shaded airflow             | Stone           |
| Malqaf          | Ancient Egypt | Wind scoop                 | Brick, stone    |
| Yurt Flaps      | Central Asia  | Vent flaps                 | Felt, wood      |
| Courtyard Vent. | Morocco       | Evap. cooling              | Stucco, tile    |

# Sneezing Airflow Visual Experiment Sheet

Use this activity to demonstrate how airflow behaves with and without a mask during a sneeze. Spray mist onto a dark surface and observe droplet spread with/without mask and fan. Use the chart below to record observations.



| Condition               | Observation | Notes |
|-------------------------|-------------|-------|
| Sneeze with mask        |             |       |
| Sneeze without mask     |             |       |
| Sneeze with fan + mask  |             |       |
| Sneeze with fan no mask |             |       |