

Name: _____

Date: _____

Theme Based Study Sheet

Wind facts

Wind is air in motion.

When warm air rises, cool air moves in and replaces the rising warm air. This movement of air is what makes the wind blow.

Wind can be used to create electricity. It is a cheap renewable energy source.

People have been harnessing wind energy for more than 5000 years.

The highest wind speed recorded was over 400 kph.

Wind is important to plants as a method of seed dispersal.

Do you know any more facts about wind?



Wind writing activities

Select one of the following to write about.

1. Kite flying and sailing are activities that rely on the wind. How many more can you find? Write about the wind activity you enjoy doing the most.

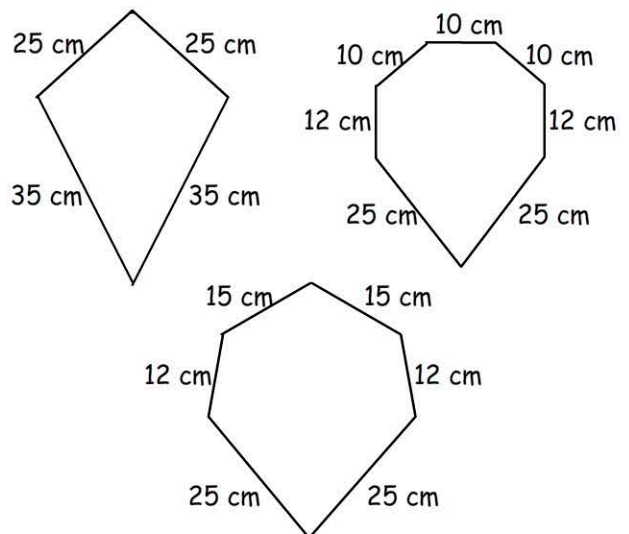
2. Write a report about the advantages in generating electricity from the wind. Are there any disadvantages?

2. List some "wind adjectives". Using some of these descriptive words, write a short poem about the wind in the shape of a kite.

Perimeters

Below are some of Dani's kite designs.

Find the perimeter of each kite. (**not to scale)



Which design has the longest perimeter?

Which design has the shortest perimeter?

How do we measure wind?

Wind is described with direction and speed.

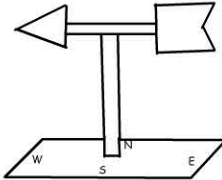
Wind or weather vanes are one of the oldest of all weather instruments.

They swing around in the wind to show which direction it is blowing from.

Another device used to measure the wind is a wind sock.

The main instrument used to measure the speed of the wind is an anemometer. The cups on this device catch the wind and spin round at different speeds according to the strength of the wind.

Design and make a simple windsock or wind vane.



Extension research

Research and explain the following wind terms:

jet stream, trade winds, doldrums,
Beaufort scale, sea breeze



For more fun and revision you can play games online using Studyladder's website.