

Explanation

Kites

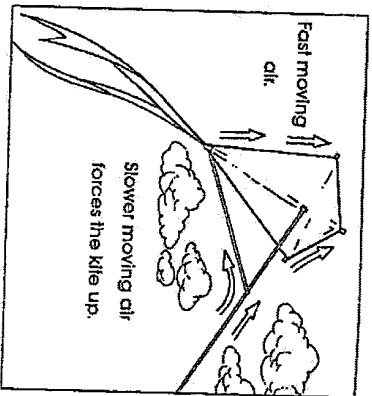
Do you know how a kite flies?

Kites need air to make them fly.

The air moving over the top of the curved surface of a kite, goes faster than the air moving underneath.

The fast moving air causes less pressure but there is more pressure underneath the kite.

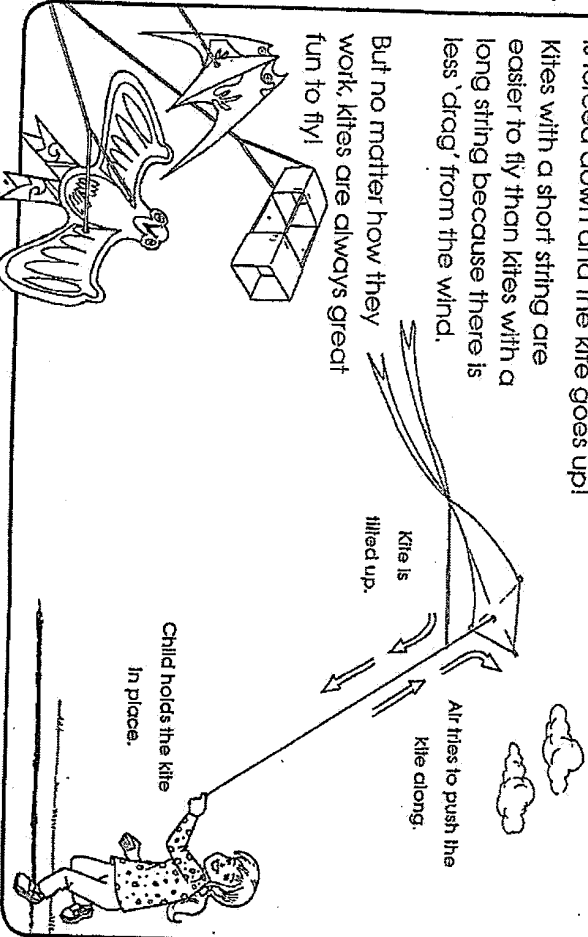
The slower air underneath forces the kite up.



Moving air (the wind) tries to push the kite along like a sail boat, but the person holding the string keeps it in place. The kite cannot go in the direction that the wind wants it to go. Because the kite is filled up, the air is forced down and the kite goes up!

Kites with a short string are easier to fly than kites with a long string because there is less 'drag' from the wind.

But no matter how they work, kites are always great fun to fly!



Looking at explanation

Use the report on page 51 to complete the page.

1 Title

2 Definition

- (a) What is being explained? _____
- (b) What is necessary to make kites fly? _____

3 Description

- (a) Complete the sentences.
- (i) The air moving over the top of the kite moves _____
- (ii) This fast-moving air does not _____ down on the kite very much.
- (iii) The air moving underneath the kite moves _____
- (iv) This slow-moving air _____ up on the kite a lot.
- (v) This forces the kite _____
- (b) Answer True or False.
- (i) Air pushes a sailboat along. _____
- (ii) Kites are able to go anywhere they want to. _____
- (iii) When the kite is tilted up, the air goes down and the kite goes up! _____
- (iv) Kites with a long string are hard to control. _____

4 Conclusion

Draw the type of kite you would like to have fun flying.

