



Name: ..... Form: .....

See pages 10 and 11 of *Gases around us*

# Hot air swells and rises

When air is heated it gets lighter and rises. This is why the gases from a fire go up a chimney, why hot air balloons work and even why the clouds float.



**Q1.** Draw how you think the balloon above will look when it is filled with hot air.

**Q2.** When a fire produces smoke, which way does the smoke go? Explain your answer.



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**Q3.** A light bulb is switched on and a small windmill is hung over it. What happens to the windmill? Explain your answer.



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**Q4.** What do pilots call rising air?  .....

**Q5.** What makes the air warm over the countryside?  .....

**Q6.** When do clouds form in the sky?



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