

Chemical Reactions

Lesson 3 - Acids and Alkalis

Chemistry- Key Stage 3

Mrs Walsh



Hazard symbols



Independent activity

| Hazard symbol | Meaning | Safety Precaution when using chemicals with this on |
|---------------|---------|--|
| | | Keep away from |
| | | Wear to protect the Wear a over theand |
| | | Wear..... to protect the Wash off using |

Question continued on the next slide...



Independent activity

| Hazard symbol | Meaning | Safety Precaution when using chemicals with this on |
|---------------|---------|--|
| | | Wear..... to protect the Wash off using |
| | | Keep away from..... andsubstances |
| | | Do not dispose down the |



Acids and Alkalis



“All acids and alkalis are dangerous to our health and can cause us harm”

To what extent is this statement true?
Use examples of everyday acids and alkalis in your answer.

Word bank:

Harmful, corrosive, soap, toothpaste, bleach, oven cleaner, battery acid, lemon juice, stomach acid, fizzy drinks.

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Simple indicators



Simple pH indicators

Were any indicators better than others at telling the difference between acids, alkalis and water?

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Can you see any problems with these indicators if you had a strong, corrosive acid and vinegar?

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