

# 9F Patterns of reactivity

## literacy in science

Science Interactive LTD, PO BOX 50764 LONDON NW6 9AT email: sales@science-interactive.co.uk

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Answer all the questions below:



Click mouse to reveal answer

1) Unscramble the following words:

rvctityiea

oexygn

rtus

icacid

2) Make three sentences using the following nine words or phrases:

difference in speed  
various metals  
metal extraction

of a reaction  
placed in  
displacement

reactivity  
reactivity series  
from metal ores

3) Match the word or phrase with the right meaning:

Reactivity



How metals are displaced from their ores using carbon

Smelting



How metals remove less reactive metals from compounds

Displacement



Description of how fast metals react in air, acid or water

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Answer all the questions below:

1) Unscramble the following words:

reactivity

oxygen

rust

acidic

2) Make three sentences using the following nine words or phrases:

difference in speed  
various metals  
metal extraction

of a reaction  
placed in  
displacement

reactivity  
reactivity series  
from metal ores

3) Match the word or phrase with the right meaning:

Reactivity

Description of how fast metals react in air, acid or water

Smelting

How metals are displaced from their ores using carbon

Displacement

How metals remove less reactive metals from compounds

# 9F Patterns of reactivity

## complete the sentence

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Place the right word or words to complete the sentence:



Click mouse to reveal answer

cold

painted

pure

coin

extracted

water

lithium

oxygen

displace

- Gold can be found in its \_\_\_\_\_ or native state because it is very un-reactive.
- Group I metals like sodium and \_\_\_\_\_ tarnish in air within minutes of being cut.
- Many metals react with \_\_\_\_\_ in the air to form their oxides.
- A gold \_\_\_\_\_ buried 200 years ago when found, would look as good as new.
- Iron will \_\_\_\_\_ copper from its compound. This is called displacement.
- Aluminium was \_\_\_\_\_ from its ore, only after the invention of electricity.
- When metals react with \_\_\_\_\_, the products formed are the metal hydroxide and hydrogen gas.
- Metals like iron need to be \_\_\_\_\_ or oiled to prevent them from rusting.
- Magnesium might be expected to react with \_\_\_\_\_ water because it is reactive.

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## complete the sentence

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Place the right word or words to complete the sentence:

cold

painted

pure

coin

extracted

water

lithium

oxygen

displace

- Gold can be found in its pure or native state because it is very un-reactive.
- Group I metals like sodium and lithium tarnish in air within minutes of being cut.
- Many metals react with oxygen in the air to form their oxides.
- A gold coin buried 200 years ago when found, would look as good as new.
- Iron will displace copper from its compound. This is called displacement.
- Aluminium was extracted from its ore, only after the invention of electricity.
- When metals react with water, the products formed are the metal hydroxide and hydrogen gas.
- Metals like iron need to be painted or oiled to prevent them from rusting.
- Magnesium might be expected to react with cold water because it is reactive.