

# GOLD

Most of the gold that is found is native gold. It usually contains silver and sometimes copper.

Why do samples of native gold vary in colour?

-----  
 -----

What tests could you do to find out if your gold was real gold or fool's gold?

-----  
 -----

Which minerals are often mistaken for gold?

- (i) -----
- (ii) -----
- (iii) -----

## HOW GOLD OCCURS

Gold mainly occurs as either (i) reef deposits or (ii) alluvial deposits.

(i) Reef deposits form when hot ----- pass through cracks in the earth's crust usually when there is ----- of the earth's crust.

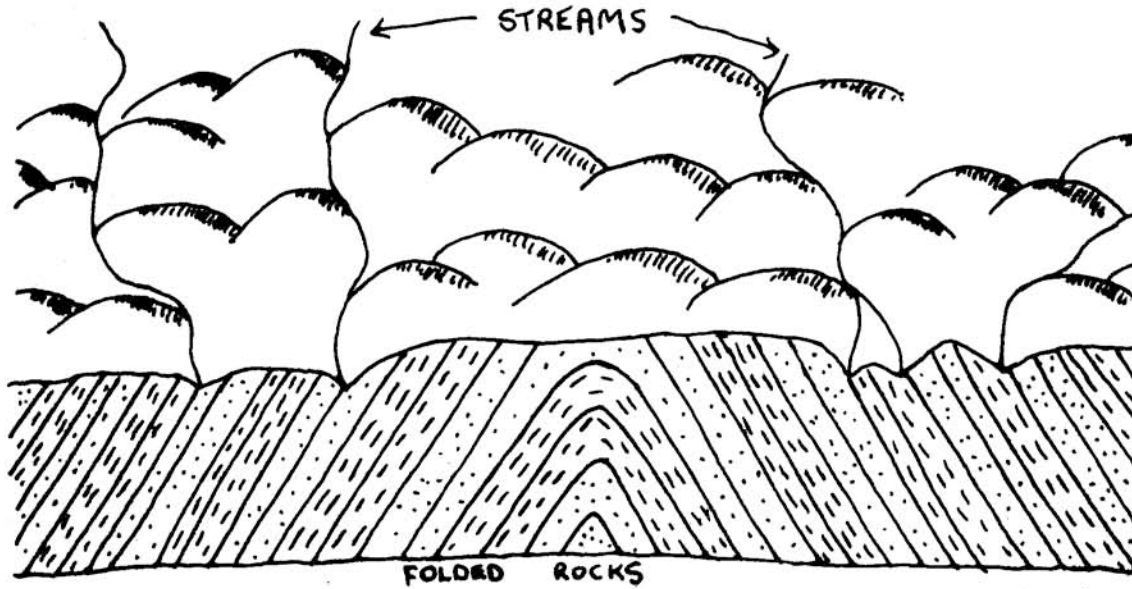
When these solutions cool down gold may form. A mineral often found with gold is -----.

(ii) Alluvial gold has been separated from the rocks in which it is formed, by weathering and -----.

In what places is alluvial gold found?

-----  
 Describe the samples of alluvial gold -----  
 -----

On the diagram at the top of Page 2, mark in likely places where reef deposits and alluvial deposits could occur. Label them.



## FAMOUS NUGGETS

The largest piece of reef gold found was known as Holtermann's nugget.

It was found in a mine at \_\_\_\_\_ in \_\_\_\_\_.

It weighed \_\_\_\_\_ and contained \_\_\_\_\_ of gold.

True nuggets are examples of alluvial gold. The largest nugget found in Australia was the "Welcome Stranger". It weighed \_\_\_\_\_ and was found at \_\_\_\_\_.

The "Maitland Bar" nugget is now the largest nugget in Australia. Larger nuggets have been melted down.

Gold discoveries were recorded as far back as \_\_\_\_\_. The first discovery was made by \_\_\_\_\_, at \_\_\_\_\_.

The discovery of the first payable gold is attributed to \_\_\_\_\_ who in \_\_\_\_\_ found gold at \_\_\_\_\_.

Why was the discovery of gold so important to Australia?

-----  
-----

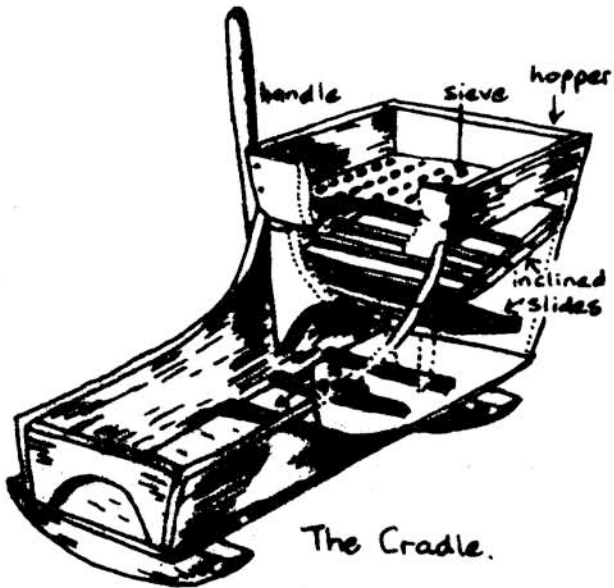
Name some areas that were opened up due to gold mining?

-----  
-----

Draw a diagram of the Dolly-Pot.

What was it used for?

-----  
What happens to the crushings from the  
dolly-pot? \_\_\_\_\_  
-----



A \_\_\_\_\_ was used by most diggers. The hopper was filled with soil containing gold. Water was poured into the hopper by the digger as he rocked the cradle. Unwanted sand and dirt was washed away while the heavier gold was trapped behind the cleats.

When was Tom's Cradle first used? \_\_\_\_\_  
-----

What was the stamp battery used for? \_\_\_\_\_  
-----  
-----

\*\*\*\*\*



GOLD PANNING IN THE 19TH CENTURY