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 "Mt. Monga" 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?

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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?

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GOLD PANNING IN THE 19TH CENTURY