7 Look for the cabinet that contains several specimens that are similar to the one shown in the photograph below.

a. What are the opalised fossils resting on? _____

b. Use the information provided above the display to briefly describe the conditions under which these formations came into existence.

_____

_____

8 Locate the fossil shown in the photograph below.

a. Name the part of an animal that is displayed. _____

b. Name the type of animal that it formed part of. _____

c. Describe a significant difference between this specimen and many of the large animal specimens in this gallery.

_____

d. What does this difference tell you about the conditions under which this animal died and was fossilised?

_____

_____

9 Locate the case containing three opalised bones, two of which are shown in the photograph below.

a. Name the animal that has been fossilised. _____

b. On the photograph, label the two bones shown, to indicate the parts of the animal's body from which they came.

c. In the space on the right of the two bones, sketch and label the third bone that is in this display.

10 The photograph below shows some crystalline structures that were formed in the Eromanga Sea.

a. The name given to these crystalline structures is _____

b. What does their presence indicate about the Eromanga Sea?

_____

Minerals and Meteorites Gallery

OPALS - GEMS OF MANY COLOURS

1 Describe a special feature of coloured opal that makes it such a desirable gemstone.

_____

_____

2 Explain the difference between coloured opal and potch.

_____

_____

_____

3 What evidence can you see that opal may be formed in a marine environment?

_____

4 a. Sketch the specimen of Boulder Opal shown in the small cabinet.

b. Label the areas of rock and opal.

c. Indicate the approximate size of the specimen.

5 Suggest why the specimen called Painted Lady is so named.

_____

_____

6 Describe the difference in appearance between natural opal and synthetic opal.

_____

_____

7 a. The photograph below shows the Museum's display of opals from Coober Pedy.

Name the type of opal represented by these specimens _____

b. Next to the photograph, identify as many as possible of the types of opal shown in the photograph below of Andamooka and Mintabie opals.