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## Geologists Discover Rare Find While Searching for Gold

### Description

Geologists found something rare in Western Australia. They were looking for gold but discovered an ancient meteorite impact site instead.

The scientists noticed strange results in their gravity studies. They found a circular shape under the ground. When they dug deeper, they saw that a powerful event once occurred there. This event melted rocks and created unusual patterns.

The meteorite, rich in iron, crashed to Earth a long time ago. It is now called the Ora Banda impact structure. This is only the second site confirmed to be fully within very old rocks.

The scientists believe such impacts played an important role in Earth's history. They think meteorites may have brought water and life-building materials to our planet long ago.

At Ora Banda, signs of the impact were hard to find. Erosion and other natural events hid it well. The researchers discovered layers of rock that showed signs of shock damage from the impact. They also found tiny gold pieces that may have been blasted into the air when the meteorite hit.

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### Vocabulary List:

1. **meteorite** //ˈmi:tɪə,raɪt// (noun): a stone from space that hits Earth
2. **impact** //ˈɪmpækt// (noun): a strong hit between two things
3. **gravity** //ˈgrævɪti// (noun): the force that pulls things toward Earth
4. **erosion** //ˈɪˌrɒʒən// (noun): the wearing away of land by water or wind
5. **layers** //ˈleɪərz// (noun): thin levels of material or rock stacked
6. **shock** //ʃɒk// (noun): a sudden very strong force or pressure

### Comprehension Questions

#### Multiple Choice

1. What did geologists discover in Western Australia?

Option: Gold



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- Option: An ancient meteorite impact site
  - Option: A volcanic eruption
  - Option: A fossil site

2. What shape did the scientists find under the ground?

- Option: Square
- Option: Circular
- Option: Triangular
- Option: Elliptical

3. What is the name of the impact structure discovered?

- Option: Ora Banda
- Option: Great Basin
- Option: Grand Canyon
- Option: Sahara Desert

4. How many sites have been confirmed to be fully within very old rocks?

- Option: One
- Option: Two
- Option: Three
- Option: Four

5. What materials do scientists believe meteorites may have brought to Earth?

- Option: Gold and silver
- Option: Water and life-building materials
- Option: Iron and copper
- Option: Carbon and oxygen

6. What natural events made it hard to find signs of the impact at Ora Banda?

- Option: Earthquakes
- Option: Tsunamis
- Option: Erosion and other natural events
- Option: Floods

### **True-False**

7. Geologists were looking for diamonds in Western Australia.



8. The impact at Ora Banda occurred a long time ago.
9. The meteoric impact site was the first of its kind discovered in Western Australia.
10. Scientists found signs of meteorite impacts easily at Ora Banda.
11. The meteorite that created the Ora Banda impact structure was rich in iron.
12. Tiny gold pieces were found that may have been blasted into the air during the impact.

### Gap-Fill

13. Geologists found an ancient meteorite impact site instead of \_\_\_\_\_ in Western Australia.
14. The meteorite that crashed to Earth is now called the Ora Banda impact \_\_\_\_\_ .
15. The scientists noticed strange results in their gravity \_\_\_\_\_ .
16. The impact created unusual \_\_\_\_\_ in the rocks.
17. Meteorites may have brought water and \_\_\_\_\_ -building materials to Earth.
18. Erosion and natural events hid the signs of the \_\_\_\_\_ well.

### Answer

**Multiple Choice:** 1. An ancient meteorite impact site 2. Circular 3. Ora Banda 4. Two 5. Water and life-building materials 6. Erosion and other natural events

**True-False:** 7. False 8. True 9. False 10. False 11. True 12. True

**Gap-Fill:** 13. gold 14. structure 15. studies 16. patterns 17. life 18. impact

### CATEGORY

1. Sci/Tech - LEVEL1

### POST TAG

1. ESL learning
2. esl news
3. geologists



4. gold
5. Level 1
6. rare

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