

The OSIRIS-Rex mission: To an Asteroid and back!

Clarkrules.com/..Biology Spring Semester/..Week 5 .. **New assignments: To Bennu and back**

1. What are the three 'missions in one' for the OSIRIS-Rex mission?

2. Why can't we examine rocks from Earth's earliest days?

3. What were the criteria that NASA was looking at when selecting an asteroid to land on?

4. How many Asteroids have we identified in our solar system? Where do most of them lie?

5. How big is Bennu compared to other large structures on Earth? (draw a picture).

6. What was the purpose of orbiting the asteroid before landing on it?

7. When the site was finally chosen, what analogy was used to describe how narrow the landing area was? (draw a picture).

8. What mechanical failure occurred during the sampling? How did the system recover?

9. What second problem arose during sample collecting?

10. What did the material smell like?

11. How many scientists around the world are receiving samples to study? What are 'some' of the tools/experiments being used on the samples by scientists?

12. What did the presences of Phosphate minerals suggest about the 'parent body' of the Asteroid? (what is a parent body?)

13. What were some of the 'building blocks of life' that were found on Bennu? What does this suggest about life on other planets?