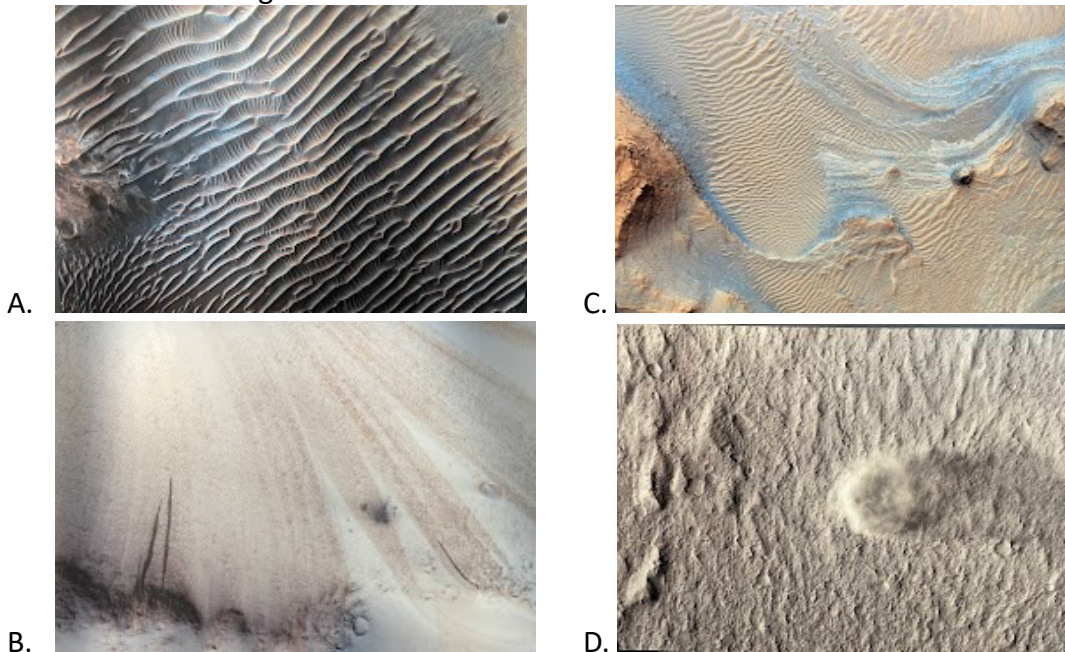


## Flandrau Science Center and Planetarium: Level 3 Scavenger Hunt

Explore all the exhibits and find the answers! Don't forget to play the games and ask Flandrau staff any questions along the way!

**Mars Exhibit and HiRISE: Eye in the Martian Sky:** These first questions are from the Mars exhibit right by the Science Store and before the asteroid.

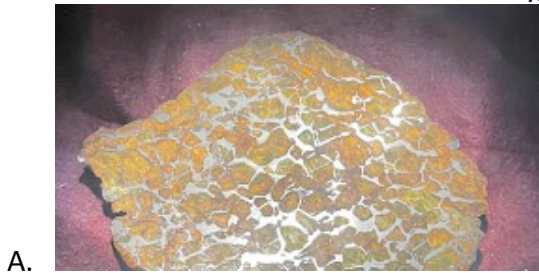
1. When did the Mars Reconnaissance Orbiter arrive at Mars? (hint: this is not the same year as its launch)  
A. 2020      B. 2005      C. 2000      D. 1999      E. 2006
2. Which of these has the greatest depth?  
A. Grand Canyon, Arizona  
B. Valles Marineris, Mars  
C. Kali Gandaki Gorge, Nepal
3. Which of these images show a Martian dust devil?



**Into the Asteroid Cave!** Find the answer to this next question inside the asteroid.

4. What asteroid did OSIRIS-REx travel to?  
A. Bennu      B. Juno      C. Psyche      D. It went to the moon, not an asteroid

5. Which of these meteorites is from Emery, South Dakota?



**Solar System Revealed:** Find these next answers in the Solar System exhibit!

6. How many total NASA landing sites are on the moon?

- A. 6      B. 13      C. 4      D. 3

7. Which planet has the coldest atmosphere?

- A. Uranus      B. Neptune      C. Pluto      D. Mercury

8. What is this?



- A. Apollo 9      B. Surveyor 1      C. Ranger 7      D. Ranger 9

9. Visit the model of the Sun. Using the size scale of the solar system in the exhibit (Sun's diameter is 4 ft), where should Neptune's orbit be if the distance was to scale?

- A. Cherry and University      C. Campbell Avenue  
B. Speedway and Country Club      D. University and Euclid

**Wild World of Bugs:** Head over to the bug exhibit for these answers!



10. Choose all the uses for a spider's silk:

- A. Capturing prey
- B. Ballooning (flying)
- C. Reproduction
- D. Spinning webs

11. Which of these bugs is a Pain Level 3 on the Schmidt Sting Pain Index?

- A. Bullet ant
- B. Honeybee
- C. Yellow paper wasp
- D. Murder hornet

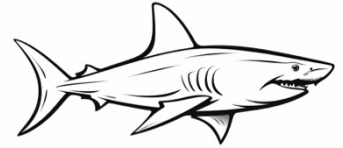
12. Use magnet body parts to create your own bug at the "Bug Bodies" station. Draw a re-creation of your new species:

**Puzzles, Proofs & Patterns** Head to this exhibit to try out some puzzles & more!

13. What are the origins of the word "algebra"?

14. Solve the "T" puzzle. Ask staff if you need help. Draw a picture below:

**Sharks: Magnificent and Misunderstood:** Head downstairs to visit the shark exhibit for this section!



15. Which shark is the fastest in the ocean?
- A. Great White
  - B. Shortfin Mako
  - C. Common Thresher
  - D. Whale Shark
16. What special organs do sharks have to help them sense electroreception? Check out our motion detector interactive display to test it yourself!
- A. Amygdala
  - B. Dorsal fin
  - C. Spiracle
  - D. Ampullae of Lorenzini
17. Find the "Ever-Changing Earth" timeline. During what period did the modern shark begin to evolve?
- A. Permian
  - B. Miocene
  - C. Jurassic
  - D. Cretaceous

**Undersea Discovery:** Discover the mysteries that lie beneath the ocean waves from the intertidal zone down to the deep sea!

18. Select all the following animals that live in the intertidal zone:
- A. Sea star
  - B. Whale shark
  - C. Sea urchins
  - D. Hermit crabs
  - E. Pufferfish
  - F. Vampire squid
  - G. Clownfish
  - H. Turbo snail
19. Which animal has teeth only along the lower jaw with sockets along the top jaw that the teeth fit into? (Hint: look at the I Spy game!)
- A. Sperm Whale
  - B. Great White Shark
  - C. Orca
  - D. Sea horses
  - E. Clownfish

Final question: What did you enjoy most about your visit to Flandrau today? We appreciate any feedback and please visit us again soon!

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