

Name: _____

Question 1. Congratulations! You are Mark Watney (astronaut) and the first human to walk around on Mars. On your exploration you find a lot of smooth, rounded rocks lying on the ground. You dig a hole and find many more smooth rounded rocks all over. Fortunately you are an expert geographer so you can interpret your discovery: What do these rocks tell you?

Question 2. Please watch *Why Do Rivers Have Deltas?* at <https://youtu.be/A47ythEcz74>. Can you now provide a simple and succinct answer?

Question 3. River deltas are super-important for a wide variety of reasons - even for you in your daily life. Have a look at <https://www.jpl.nasa.gov/spaceimages/details.php?id=pia19071> and *River Delta Formation - Diagram and Explanation* @ <https://youtu.be/87uodj2bQtg> (2:08 minutes). Then: write a useful caption for the diagram below that describes and explains the diagram and delta formation.

