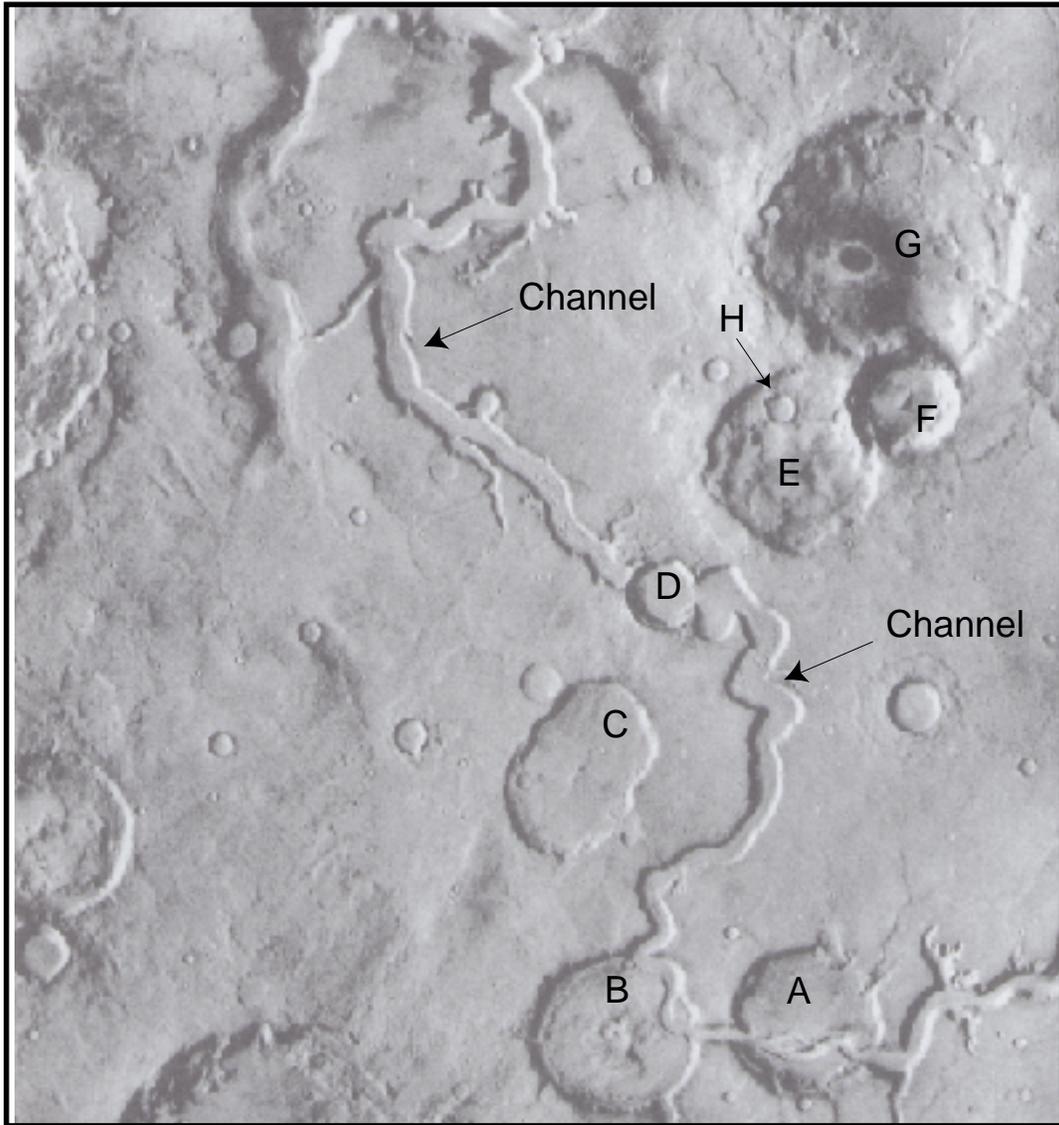


Relative Ages of Impact Craters and Fretted Channel on Mars



Questions:

1. Which feature is **older**, Crater A or the channel?
 - a. What evidence can be found to support your answer?

Answer: Crater A is older because the channel cuts through it.

2. Which feature is **older** Crater D or the channel?
 - a. What evidence can be found to support your answer?

Answer: Crater D is older because it covers the channel. The channel can be seen in the crater.

3. Chose the **older** feature in each set and fill in the blank:

- ___ **Crater B** a. Crater B or the channel
- ___ **Crater E** b. Crater E or Crater F
- ___ **Crater G** c. Crater F or Crater G
- ___ **??? ___** d. Crater E or Crater G (**either could be older. Not enough evidence is available**)
- ___ **Crater E** e. Crater H or Crater E

4. Are Craters E, F, and G older or younger than the channel? What evidence can you use to support your answer? **Answer: They are most likely older than the channel because there is no ejecta blanket covering the channel. If they were younger there would be more ejecta present.**

Lesson 2:
Relative Age -
Overhead 5
(key)