Mars: Dead or Alive	(FL07)	Name:	
---------------------	--------	-------	--

- 1. How many people work on the Mars Exploration Rover (MER) project at the Jet Propulsion Lab?
- 2. Radio signals require about how long to travel from Earth to Mars?
- 3. Why didn't the MER team use an engineering model instead of an actual flight unit when testing the shock performance of the mini-TES instrument?
- 4. What happened during the first air bag "drop test" in the vacuum chamber?
- 5. Describe the first parachute "drop test": what went wrong?
- 6. Why is the engineering team worried about a possible landing at Gusev Crater?
- 7. What "quick fix" did the parachute engineers use to eliminate *squiding* of the chute?
- 8. Why was it necessary for the technicians to fire the explosive pyros holding the solar panels before the rovers were packaged for launch?
- 9. Which rover was launched first, the one named *Spirit* or the one named *Opportunity*?
- 10. How long after the launch did the first rover arrive at Mars?