

The University of Western Ontario - Department of Geography
Geography 2090a – Space Exploration
In-Class Test 1 - October 2013

Instructions: Answer all 20 questions in the following table.

Each answer is worth one mark. The test is worth 20 marks, or 20% of the course grade. No notes or other materials may be referred to during the examination. Time available: 50 minutes.

Print name: _____

Signature: _____

Student Number: _____

1. What did Lucian of Samosata do?		2. What was the VfR?	
<input type="checkbox"/> Invent samosas	<input type="checkbox"/> Build the first space rockets	<input type="checkbox"/> British astronomy club	<input checked="" type="checkbox"/> German rocket society
<input checked="" type="checkbox"/> Write early 'science fiction'	<input type="checkbox"/> Make the first telescope	<input type="checkbox"/> French rocket club	<input type="checkbox"/> Russian astronomy society
3. Who published articles about space travel in Collier's Magazine?		4. What current nation is Baikonur in?	
<input type="checkbox"/> Korolev	<input checked="" type="checkbox"/> Von Braun	<input type="checkbox"/> Russia	<input type="checkbox"/> Soviet Union
<input type="checkbox"/> Collier	<input type="checkbox"/> Goddard	<input checked="" type="checkbox"/> Kazakhstan	<input type="checkbox"/> Pakistan
5. How many astronauts from Apollo 10 landed on the Moon?		6. Why was the Sea of Tranquility chosen for the first Apollo landing?	
<input checked="" type="checkbox"/> 0	<input type="checkbox"/> 1	<input type="checkbox"/> Calm waters	<input checked="" type="checkbox"/> Smooth and flat
<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> Interesting geology	<input type="checkbox"/> Rare minerals
7. What was expected at the Apollo 16 landing site?		8. What was actually found at the Apollo 16 landing site?	
<input checked="" type="checkbox"/> Volcanoes	<input type="checkbox"/> Crater debris	<input type="checkbox"/> Volcanoes	<input checked="" type="checkbox"/> Crater debris
<input type="checkbox"/> Rock outcrops	<input type="checkbox"/> Landslides	<input type="checkbox"/> Rock outcrops	<input type="checkbox"/> Landslides
9. Which Apollo mission set up the first lunar telescope?		10. What is the Taurus-Littrow valley (Apollo 17 landing site) named after?	
<input type="checkbox"/> 11	<input type="checkbox"/> 13	<input checked="" type="checkbox"/> Nearby features	<input type="checkbox"/> Two astronauts
<input type="checkbox"/> 15	<input checked="" type="checkbox"/> 16	<input type="checkbox"/> Rocket engineers	<input type="checkbox"/> Astronomers

Question	Answer (keep it brief, point form OK)
11. (a) What was NASA's first space station made from? (b) What was it called?	(a) A Saturn upper stage rocket (can say Apollo and fuel tank instead) (b) Skylab (no other answer is OK)
12. (a) What was Salyut? (b) What spacecraft carried crews to Salyut?	(a) Russian (Soviet) space station (b) Soyuz (no other answer is OK)
13. (a) How was Mir different in its structure from Salyut? (b) What spacecraft carried cargo up to Mir?	(a) Multiple sections joined together in orbit (b) Progress (no other answer is OK)
14. (a) Which president initiated the Space Shuttle program? (b) Why did he want it?	(a) Nixon (no other answer is OK) (b) To reduce cost of space flight
15. (a) Which shuttles had fatal accidents? (b) Which failed during launch?	(a) Challenger, Columbia (b) Challenger
16. (a) Which major space power is not part of the ISS * program? (b) Which nation launched the first part of ISS * ?	(a) China (no other answer is OK) (b) Russia (no other answer is OK)
17. (a) What nation launches the most rockets in recent years? (b) What company makes Dragon?	(a) Russia (no other answer is OK) (b) SpaceX (can say Space Exploration Technologies Corporation)
18. (a) What is Tiangong? (b) What is Shenzhou?	(a) China's first space station (b) China's crew-carrying spacecraft
19. (a) What did Japan bring back from an asteroid in 2010? (b) Name 2 Asian nations with lunar exploration programs	(a) Small sample of the asteroid (can say soil, mineral grains etc.) (b) any 2 of: Japan, India, China. Russia also acceptable
20. (a) What does Canada have on the ISS * now? (b) What is Haughton crater?	(a) A robotic arm (Canadarm) – can also say robotic hand or Dextre (b) Analog site (can say impact crater)

* ISS = International Space Station