



Version #1

Terrestrial Planets

EPSC 180

April 29, 2019 18h30

EXAMINER: **Olivia Jensen**

ASSOC.
EXAMINER:

Jeanne Paquette

STUDENT NAME:		McGILL ID:											
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INSTRUCTIONS:

EXAM:	CLOSED BOOK <input checked="" type="checkbox"/> OPEN BOOK <input type="checkbox"/>
	SINGLE-SIDED <input type="checkbox"/> PRINTED ON BOTH SIDES OF THE PAGE <input checked="" type="checkbox"/>
	MULTIPLE CHOICE <input checked="" type="checkbox"/> NOTE: The Examination Security Monitor Program detects pairs of students with unusually similar answer patterns on multiple-choice exams. Data generated by this program can be used as admissible evidence, either to initiate or corroborate an investigation or a charge of cheating under Section 16 of the Code of Student Conduct and Disciplinary Procedures.
	ANSWER IN BOOKLET <input type="checkbox"/> EXTRA BOOKLETS PERMITTED: YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
	ANSWER ON EXAM <input checked="" type="checkbox"/>
	SHOULD THE EXAM BE: RETURNED <input checked="" type="checkbox"/> KEPT BY STUDENT <input type="checkbox"/>
CRIB SHEETS:	NOT PERMITTED <input checked="" type="checkbox"/> PERMITTED <input type="checkbox"/>
DICTIONARIES:	TRANSLATION ONLY <input checked="" type="checkbox"/> REGULAR <input type="checkbox"/> NONE <input type="checkbox"/>
CALCULATORS:	NOT PERMITTED <input type="checkbox"/> PERMITTED (Without text capability) <input checked="" type="checkbox"/>
ANY SPECIAL INSTRUCTIONS: e.g. molecular models	Detailed instructions are found on page 2, following. The exam has 20 pages including this cover page

DETAILED INSTRUCTIONS

Instructions: The examination comprises three Parts and 20 pages including this instruction page and the cover page.

Part I: The 60 multiple-choice and true-false questions of Part I of this exam must be answered on the computer coding sheet in rows 1 to 60. Make sure that your student ID# is correctly entered into the bubbles on the upper left corner of your sheet. There are 2 versions of this examination. Make sure that the version number appropriate to this exam is correctly entered in the column designated “VERSION” on your computer answer sheet. This may have been done for you.

Part II: The 13 short-answer questions must be answered within the lined boxes provided. Answer all question. Be sure to place your name on the front page of this exam and at the top of the pages of Parts II and III (i.e. pages 15 to 20) so that we can identify *your* work.

Part III: The opinion question is worth 1 marks (1% of your final grade); do offer your opinion to the question asked... whatever your opinion, it is 1 free mark if answered. You might use this question to relax yourself before leaving the exam.

No explanation of any question asked on this exam can be given during the exam because of the very large number of students taking the exam. If you have reason to question the clarity of any question asked, note your concern briefly in the margin and note the question number at the bottom of this cover page; we may consider your objection during grading of the question.

The value contribution towards the final grade for each question in this examination is noted in square brackets after the question header. If you completed the term-work, this examination counts for 70% toward the final course grade; the exam is graded to 100 marks and will be scaled by 70/100 for those who completed term work for 30%.

You are not permitted to use calculators that have text-memory capabilities or translation dictionaries that have not been approved by an invigilator.

Please ensure that your name and student registration number are inscribed properly on your computer grading sheet, on the front page of this exam and (at least) at the top of the pages of Parts II and III.

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In accord with McGill University’s Charter of Students’ Rights, students in this course have the right to submit in English or in French any written work that is to be graded.

Student Name: _____

Student Number: _____

Part I This section comprises 50 multiple-choice and 10 true-false questions. Each question is worth 1/2 mark. That is, this section is worth 30 marks, total. Indicate your answer by filling in the appropriate “O” open circle on the computer grading (Scantron) sheet. You should use pencil so that you can erase your reconsidered answers. Make sure that you have properly filled in your student ID# and the version number of this exam on the grading sheet. [30 marks]

This is Version 1

1. The atmospheric pressure on the surface of Venus is (complete the sentence)
 - A) nearly the same as the atmospheric pressure at sea level on Earth.
 - B) about 0.01 times (i.e. 1% of) the atmospheric pressure at sea level on Earth.
 - C) yet unmeasured as we have not yet descended with probes onto the surface of Venus.
 - D) 740 K because Venus surface is maintained at such high temperature by a strong greenhouse effect.
 - E) about 90 to 100 times the atmospheric pressure at sea level on Earth; that is, equivalent to the pressure at 1.3km of depth in the oceans.

True-false questions (10 questions)

51. The Sun's nuclear fires started fusing hydrogen into helium about 4.6 billion years ago.
 - A) TRUE
 - B) FALSE

