

You may work in pairs or purely individually for this assignment. Prepare your answers to the following questions in a plain ASCII text file or MS Word document. Submit your file to the Curator system by the posted deadline for this assignment. No late submissions will be accepted. If you work in pairs, list the names and email PIDs of both members at the beginning of the file, and submit your solution under only one PID. No other formats will be graded.

You will submit your answers to the Curator System (www.cs.vt.edu/curator) under the heading OOC04.

For each question, describe an analogic relationship between the given pair of words by **stating a relationship sentence** (see the notes), and **choose a pair of words** from the given list of candidates that the most accurately possesses the same relationship. (It is perfectly acceptable for you to consult a dictionary if you like.)

- | Given pair | Candidate pairs |
|-------------------------------------|---|
| 1. [10 points] galaxy : astronomer | picture : artist
environment : ecologist
microscope : biologist
retort : chemist
movie : director |
| 2. [10 points] degree : temperature | heat : weather
time : second
honeycomb : cell
atom : crystal
actor : cast |
| 3. [10 points] page : book | nut : bolt
year : time
cake : layers
word : page
letter : word |
| 4. [10 points] shovel : dig | hammer : fix
automobile : drive
scissors : paper
paper : read
saw : cut |
| 5. [10 points] elbow : shoulder | ankle : leg
ankle : knee
knee : hip
ankle : hip
wrist : elbow |
| 6. [10 points] conceal : expose | hide : seek
ascend : descend
sit : stand
hot : cold
walk : run |
| 7. [10 points] egg : fragile | gasoline : flammable
chicken : fried
book : written
brick : red
July : hot |

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8. [10 points] stygian : bright
abysmal : low
cogent : contentious
fortuitous : accidental
reckless : careful
cataclysmic : doomed
9. [10 points] sedative : drowsiness
epidemic : contagion
vaccine : virus
laxative : drug
anesthetic : insensitivity
therapy : psychosis
10. [10 points] salve : sunburn
narcotic : pain
cure : recovery
narcotic : sleep
stimulant : relapse
resuscitation : breathing