

GEOS 251: Physical Geology

Term: Spring 2015

Instructor: Joshua Spinler

APR Assessment

Learning Outcome: #2. Graduates will understand Earth surface processes and how humans affect and are affected by the processes. (Examples: sedimentary systems, interaction of earth surface with oceans and atmosphere, geomorphological processes, climate and climate change, environmental geology.)

Assessment Administered: Final Exam

Note: Could also be administered during Mid-term Exam #2

Question: List and discuss the major consequences of excessive groundwater withdrawal in southern Arizona. For full credit, you must list at least 3 consequences and discuss them in detail.

Rubric:

1 point per consequence identified (max. 3 points)

2 points per consequence discussed (max. 6 points)

2 points = detailed and accurate discussion

1 point = some discussion and/or moderate accuracy

0 points - no discussion or inaccurate discussion

1 point for mastery of subject (i.e. more than 3 consequences, very detailed answers, well thought-out responses, etc.)

Student Breakdown of Scores

Points	Count	Sum of Points
10	26	260
9	8	72
8	12	96
7	3	21
6	13	78
5	2	10
4	3	12
3	0	0
2	1	2
1	1	1
0	8	0
Total	77	552
Average		7.17