

APBI 200 Soil Science Trivial Pursuits 2020 answer key

Download the scorecard

Play the game (mp4 video link under lectures on the wiki)

Writing down your answers

No peaking, until you play

Scroll down for answers

Question	Answer(s)
1.	Chernozem
2.	Bacteria
3.	Physical weathering / freeze & thaw
4.	Real (bonus mark for knowing it is a mite)
5.	Parent material, climate, topography, biota, time
6.	2:1 phyllosilicate clay mineral / Montmorillonite
7.	Mineral particles, organic matter , air, water
8.	Volumetric water content
9.	Cation exchange capacity
10.	Soil structure / aggregates
11.	Fluvial or alluvial
12.	Fine earth fraction / Sand, silt and clay
13.	Ammonia volatilization
14.	Extreme acidity
15.	Soil pH
16.	Real (bonus mark for knowing it is a springtail/collembola)
17.	Additions, transformations, translocations, losses
18.	Luvisol
19.	Capillary rise
20.	Lacustrine
21.	Podzol
22.	Solonetz
23.	Agrillipedoturbation
24.	Cryosol
25.	Real (mole)
26.	SOM / functional groups
27.	Illuviation of Fe/Al oxides
28.	(a) because adjacent aggregates rub against each other, polishing their surfaces (b) Vertisol
29.	Regosol
30.	Biological N fixation; mineralization / immobilization; denitrification
31.	Exchange reaction / exchangeable cations
32.	Mycelium or hyphal network; mycorrhizal fungi
33.	Gleysol
34.	Mor, moder and mull
35.	Runoff / erosion & harvesting
36.	Brunisol
37.	Real (bonus mark for knowing it is a nematode)