What is the Principle of Faunal Succession?

Student Response	Value
A. Fossils found in the lowest unit in a sequence of sediments will be the oldest.	
B. The study of the correlation and relative age of rock strata by using the fossils contained within them is called Biostratigraphy.	0%
C. Characteristics of species that are extinct can be studied from their fossils.	
D. Fossils of organisms, preserved in rocks, succeed one another thru time in a predictable, identifiable way.	
E. Species of plants and animals evolve then became extinct through Earth's history.	

Score: 0/1

Which of the following would be at the base of a food chain on land?

Student Response	Value
A. Grass	
B. Plankton	
C. Human	
D. Worms	
E. Soil	0%

Score: 0/1

The Chicxulub crater is located in _____.

Student Response	Value
A. a Quebec lake	
B. Hawaii	
C. the Arizona desert	
D. the Yucatan Peninsula	100%
E. the Siberian plains	

Score: 1/1

About how long does it take material from the Oort cloud to travel to the inner solar system?

Student Response	Value
A. 100,000 years	

B.	1 million years	100%
C.	1,000 years	
D.	24-26 million years	
E.	10 million years	

What is the significance of high levels of iridium in Late Cretaceous sediments?

	Student Response	Value
A.	It supported the idea that global fires occurred in the Late Cretaceous, contributing to the mass extinction.	
B.	It was evidence that large-scale earthquakes did not contribute to the K/T extinction.	
C.	It supports the idea that an extraterrestrial object collided with the Earth at that time, contributing to a mass extinction.	100%
D.	It is proof that the Late Cretaceous biosphere was stressed by iridium contamination prior to the K/T extinction.	
E.	It proved that the K/T meteorite crater was in the Northern Hemisphere.	

Score: 1/1

What percent of marine species were lost during the Cretaceous-Tertiary extinction?

	Student Response	Value
A.	almost all, 80%	100%
B.	only some, about 25%	
C.	all of them, 100%	
D.	none, 0%	
E.	about half, 50%	

Score: 1/1

The Chicxulub crater is located in _____.

	Student Response	Value
A.	the Yucatan Peninsula	100%
B.	the Arizona desert	
C.	a Quebec lake	
D.	the Siberian plains	
E.	Hawaii	

Score: 1/1

Which of the following would be at the BASE of a marine food chain?

Student Response	Value
A. Tuna fish	
B. Snails	
C. Worms	
D. Dolphin	
E. Plankton	100%

Score: 1/1

Pangaea was a supercontinent that _____.

Student Response	Value
A. existed during the Precambrian	
B. fragmented throughout most of the Mesozoic	100%
C. existed during the Ordovician	
D. had undergone complete fragmentation by the late Permian	
E. formed during the Jurassic	

Score: 1/1

You're a paleontologist looking for EVIDENCE OF AN ANCIENT GLOBAL FIRE. Which of the following would definitely point to one?

Student Response	Value
A. lots of ferns in a forest	
B. extinction of fern-eating mammals	
C. giant ferns of various ages	
D. sudden loss of ferns in tropical forests	
E. a sudden increase in fern spores relative to pollen	100%

Score: 1/1

"Nemisis" has been used to explain which of the following?

Student Response	Value
A. Raup Sepkoski periodicity	
B. the existence of the Oort cloud outside the orbit of Pluto	

C. gravity
D. the existence of black holes
E. gravitational kicks from the densest part of the galactic plane 0%

Score: 0/1

Which of the following regarding the biosphere is TRUE?

Student Response	Value
A. The biosphere came into existence around 10 million years ago.	
B. The biosphere does not interact with either the atmosphere, ocean, or the solid Earth.	
C. Dinosaurs were not part of the Tertiary biosphere.	
D. The biosphere has remained constant and unchanging since the Permo-Triassic extinction.	
E. The biosphere suffered a major drop in diversity at the end of the Permian.	100%

Score: 1/1

Materials entering the Earth's atmosphere usually burn up entirely at about _____ above the Earth’s surface.

Student Response	Value
A. 5000 km	
B. 5 km	
C. 60 km	100%
D. 5000 m	
E. 600 km	

Score: 1/1

During which of the following geological ages were continents the LEAST fragmented?

Student Response	Value
A. Ordovician	0%
B. Permian	
C. Tertiary	
D. Cretaceous	
E. Silurian	

Score: 0/1