

School **KEY & Scoring Guide**

Name(s) _____

FOSSILS

Directions: AT each station, IDENTIFY the fossil. Make sure you record what is being asked for. **Some stations require phylum or class, while others ask for common name or genus.** Answer the multiple choice questions by placing the letter of the correct choice in the space provided. Some stations require you to fill in your answers in the space provided. You may use any printed resource materials. Be careful, spelling counts, and you must write legibly. Please print. Good luck!

STATION 1 PRESERVATIONA. _____ **Depends on samples**

B. _____

C. _____

D. _____

E. _____

F. _____

G. _____

1. **Rapid burial, under water. Various answers may be acceptable.**
2. **Some organisms have hard parts such as shells or internal skeletons.**

SCORING:

Identification:
2 Points for each identification
1 point if incorrect spelling or if
partially correct

Multiple Choice Questions:
1 point each

Free Response:
1-2 pts (use judgement)

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STATION 2 Phylum Arthropoda (or Arthropod)
(Eurypterid, photo or specimen)

3. A

4. C

STATION 3 Class Cephalopoda (Cephalopod)
(Ammonite)

5. C

6. A

STATION 4 Genus Pentremites
(Pentremites)

7. B

8. C

STATION 5 Genus Mucrospirifer
(Mucrospirifer)

9. C

10. B

STATION 6 Genus Exogyra
(Exogyra)

11. D

12. B

STATION 7 Genus A. Phacops
(Phacops/Elrathia)

B. Elrathia

13. A

14. B

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STATION 8
(Horn Coral/Hexagonaria)

Common Name A. Horn Coral

Genus B. Hexagonaria

15. B

16. D

STATION 9

(Metasequoia)

Genus Metasequoia

17. B

18. D

STATION 10

**(Tyrannosaurus
Allosaurus, Carnotaurus)**

Genus A. Tyrannosaurus

B. Allosaurus

C. Carnotaurus

19. C

20. A

STATION 11

(Shark Tooth)

Common Name Shark tooth

21. A

22. C

STATION 12

(Worthenia or any snail)

Common Name Snail or Gastropod

23. C

24. A

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STATION 22 INDEX FOSSILS49. Geologic Period _____ **Cretaceous** _____ **(1 pt)**50. Index Fossil: _____ **Baculites is the best index fossil because it has the shortest range.****Geologic Age Range of Fossils (1 pt for each correct range)**

ERA	GEOLOGIC PERIOD	<i>Belemnite</i>	<i>Nucula</i>	<i>Exogyra</i>	<i>Baculites</i>	<i>Turitella</i>
CENOZOIC	Recent (1.6-0 my)					
	Tertiary (65 -1.6 my)					
MESOZOIC	Cretaceous (142-65 my)					
	Jurassic (206-142 my)					
	Triassic (251-206 my)					
PALEOZOIC	Permian (290-206 my)					
	Carboniferous (363-290 my)					
	Devonian (418-362)					
	Silurian (443-418 my)					
	Ordovician (490-443 my)					
	Cambrian (544-490 my)					