Fossilization Questions



Read the following accounts and indicate whether fossilization has occurred and what type of fossilization would happen.

- 1. A spider crawls up the trunk of a tree and gets stuck and engulfed in sticky tree Original presention
- 2. A trilobite crawls along the ocean floor and gets trapped under an underwater debris slide Replacement / permineralization / mold / cast
- 3. A wooly mammoth is killed by a saber toothed tiger in a tropical forest
- 4. A shark dies and drifts to the ocean floor
- 5. A dinosaur dies and is buried by swamp mud, over time the water deposits silica into the bones Permineralization
- 6. An ammonite is buried in sediment and calcite is deposited into its shell
- 7. A clam is buried leaving and dissolves leaving an imprint in silt which lithifies into shale
- 8. The imprint fills with sediment which also lithifies and the rock splits open
- 9. A baby dinosaur falls off a cliff and dies
- 10. A fern decays and leaves a film on rock Carbonizalian
- 11. A small group of dinosaurs walk across a mud flat, which is covered by sediment and lithified trace Possils
- 12. A small mammal is killed by a landslide of boulders and gravel which later forms a conglomerate rock No
- 13. A tree is rapidly buried in silt by a river and over time decays and minerals replace it
- 14. A shark bites a swimming dinosaur and loses a tooth which sinks to the ocean referent / permachechen (mold (c-5) floor and is buried by sediment
- 15. A tree is hit by lightning and falls to the forest floor \mathcal{N}_{∞}
- 16. A coral reef is buried by a slide of silt and over time minerals fill the pore spaces regions.
- 17. A worm burrows into a tree stump which becomes buried trace Lossi 15-
- 18. A small mammal falls into a crevasse(crack in glacier) and is frozen

 19. A dinosaur fleeing a volcanic cruption is caught and buried in a lava flow
- 20. A bird flies into a tree is killed and is buried by leaves on the forest floor