How Fossils Are Formed Worksheet

*Watch the video **"How Fossils Are Formed"**, then answer the questions below!*

1. **Which of these can be considered a fossil?**
   A. Bones and teeth
   B. Footprints and burrows
   C. Shells and plant parts
   D. All of the above

2. **What usually happens first when a fossil forms?**
   A. The organism is quickly buried
   B. The organism melts into rock
   C. The bones disappear instantly
   D. The fossil is uncovered by erosion

3. **Which parts of an organism are most likely to become fossils?**
   A. Skin and muscles
   B. Hard parts like bones and shells
   C. Fur and feathers
   D. Eyes and organs

4. **What is the process called when layers of sediment harden into rock?**
   A. Lithification
   B. Petrification
   C. Excavation
   D. Erosion

5. **What is petrification?**
   A. When fossils are uncovered by rain
   B. When fossils melt
   C. When minerals turn bones or shells into stone
   D. When plants flatten into rock

6. **What are compression fossils?**
   A. Fossils made from volcanic ash
   B. Fossils trapped in ice
   C. Fossils flattened into rock and leaving an imprint
   D. Fossils found underwater

7. **What happens in a mould and cast fossil?**
   A. The fossil stays completely unchanged
   B. The fossil turns into lava
   C. The original bone dissolves and leaves a space
   D. The fossil grows larger over time

8. **What is an example of a preserved remain fossil?**
   A. A shell in mud
   B. Dinosaur tracks
   C. A fossilized leaf
   D. An insect trapped in amber

9. **What process reveals fossils to us over time?**
   A. Mutation
   B. Lithification
   C. Erosion
   D. Petrification

10. **Which of these can cause erosion?**
    A. Rivers and ice
    B. Wind and rain
    C. Weather wearing down rocks
    D. All of the above

11. **What does the fossil record tell us?**
    A. Why dinosaurs could fly
    B. The story of life on Earth
    C. How to predict the future
    D. How mountains are built

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P N L T K A E B Z S B N C E A
B E P I N L M U A Z H R Z U S
M O T R T F M B C M U H O Q K
S E N R E H O I E A B Y W E S
B E E E I S I R X R A E L Y H
U N D R U F E F M J L R R R E
R H J I O F I R I A T Q J R L
R Q S G M S O C V C T I S O L
O S M J K E I O A E A I H C X
W S G W C U N O T T D T O K F
S B L E X Y J T N P I V I N N
H A N C I E N T Z F R O W O D
A P Q P D D N K S M Y I N N N
L M J E Q R X G W Y Y B N K A
E Q M K C D O F Z X Q J U T I

Lithification
Preserved
Erosion
Bone
Shale

Petrification
Formation
Ancient
Amber

Footprint
Sediment
Amber
Burrow

Shell
Rock