“Journey to the Center of the Earth” Reflection

1. What is the name of the supercontinent? ____________________________________

2. Name one of the scientific principles Trevor talks about when describing how the yo-yo is “physics at work”. ________________________________________________

3. Trevor and his brother researched the possibility of volcanic tubes passing through what layer of the earth? _____________________________________________

4. On the plane Trevor is trying to decipher a code and he thinks it has something to do with what scientific tool? ________________________________________________

5. What landform did they climb with the tour guide? _________________________

6. The container Trevor unlocks at the top of the mountain that contains a black box that has recorded what type of information? _____________________________________________

7. What flammable element is running through the veins of the rocks inside of the cave? __________________________________________________________________

8. What type of rock is schist? ______________________________________________

9. Name three minerals that they found in the mine. 
   A) ____________________________
   B) ____________________________
   C) ____________________________

10. Trevor explains to Sean that crystals are frequently found where? 
    ___________________________________________________________________

11. The floor is made of muscovite. Why is that a problem? ______________________
    ___________________________________________________________________

12. Droplets of what compound are in the tube as they are falling? _______________

13. The birds glow because of “bioluminescence”. Give an example of something on earth with the same property. ________________________________________________

14. They are in an air pocket surrounded by what? _______________________________

15. What are they hoping will get them back up to the surface? ___________________

16. What do you think caused the large amount of rain? **CIRCLE YOUR ANSWER**
   A. Water soaking through the bed rock from the surface saturated the ocean
   B. The high temperature is evaporating the water and adding moisture into the air
   C. It had not rained in a long time so the area was due for rain
   D. It rains frequently in that area of the core
17. What special property did the rocks have that help Sean cross the gorge?

_________________________________________________

18. What mineral do they use to help escape the dinosaur?

_________________________________________________

19. What do they see below the skull “boat”?

_________________________________________________

20. Why won’t the magnesium light from the flare?

_________________________________________________

21. If they were at the center of the earth, what layers would they have passed through to get to the surface? **Name the 4 layers in order from the inside out.**

1) _____________________
2) _____________________
3) _____________________
4) _____________________

22. What geological sample did Sean bring with him?

_________________________________________________

23. Do you think Sean’s “pet” would be able to survive above the surface? Why or why not?

________________________________________________________________

________________________________________________________________

24. List five inaccurate or impossible things in the movie.

1) _____________________________________________
2) _____________________________________________
3) _____________________________________________
4) _____________________________________________
5) _____________________________________________
“Journey to the Center of the Earth” Reflection (B version)

CIRCLE OR WRITE IN YOUR ANSWERS:

1. What is the name of the supercontinent?
   A. Landmass
   B. Pangea
   C. Africa
   D. Continental Drifting

2. Name one of the scientific principles Trevor talks about when describing how the yo-yo is “physics at work”.
   A. Centrifugal Force
   B. Anti-gravitational pull
   C. Principal of Entertainment
   D. Thermal Energy

3. Trevor and his brother researched the possibility of volcanic tubes passing through what layer of the earth? ___________________________________________________

4. On the plane Trevor is trying to decipher a code and he thinks it has something to do with what scientific tool?
   A. Graduated Cylinder
   B. Compass
   C. Maps
   D. Periodic Table

5. What landform did they climb with the tour guide? __________________________

6. The container Trevor unlocks at the top of the mountain that contains a black box that has recorded what type of information?
   A. Temperature
   B. Seismic Waves
   C. Altitude
   D. Air Pressure

7. What flammable element is running through the veins of the rocks inside of the cave?
   A. Magnesium
   B. Charcoal
   C. Flares
   D. Flint

8. What type of rock is schist?
   A. Sedimentary
   B. Igneous
   C. Metamorphic
   D. Limestone

9. Name three minerals they found in the mine.
10. Trevor explains to Sean that crystals are frequently found where?
   A. Underground
   B. Jewelry Stores
   C. Abandoned Mines
   D. Volcanic Tubes

11. The floor is made of muscovite. Why is that a problem?
   A. It is not as valuable as the diamonds
   B. It is as hot as lava
   C. It shatters under changes of weight and pressure
   D. It is slippery and they have to walk carefully not to fall

12. Droplets of what compound are in the tube as they are falling?
   A. Water – H₂O
   B. Salt – NaCl
   C. Hydrogen Peroxide – H₂O₂
   D. Lava

13. The birds glow because of bioluminescence. Give an example of something on earth with the same property.
   A. Night Light
   B. Centipede
   C. Fire Fly
   D. Inch Worm

14. They are in an air pocket surrounded by what? _______________________________

15. What are they hoping will get them back up to the surface?
   A. Volcanic Tube
   B. Geyser
   C. Mining Carts
   D. Boat

16. What do you think caused the large amount of rain?
   A. Water soaking through the bed rock from the surface saturated the ocean
   B. The high temperature is evaporating the water and adding moisture into the air
   C. It had not rained in a long time so the area was due for rain
   D. It rains frequently in that area of the core

17. What special property did the rocks have that help Sean cross the gorge?
   A. Magnetic
   B. Magical
   C. Massive
   D. Magestic

18. What mineral do they use to help escape the dinosaur?
A. Diamond  
B. Feldspar  
C. Sandstone  
D. Muscovite

19. What do they see below the skull “boat”?  
A. Water  
B. Bottomless Pit  
C. Magma  
D. River

20. Why won’t the magnesium light from the flare?  
A. There is too much moisture on the rocks  
B. There is not enough magnesium  
C. The flare is not close enough to the magnesium  
D. It is too hot from the magma

21. If they were at the center of the earth, what layers would they have passed through to get to the surface? Name the layers in order from the inside out.

Inside Layer – 1. ________________________  
2. _____________________________  
3. ______________________________

Outer Layer – 4. ______________________________

22. What geological sample did Sean bring with him?  
A. Bird  
B. Diamond  
C. Dirt  
D. Emeralds

23. Do you think Sean’s “pet” would be able to survive above the surface? Why or why not?
__________________________________________________________________________
__________________________________________________________________________
__________________________________________________________________________

24. List five inaccurate or impossible things in the movie.  
1. ________________________________________________________________________  
2. ________________________________________________________________________  
3. ________________________________________________________________________  
4. ________________________________________________________________________  
5. ________________________________________________________________________