

20. How often do Plinian Eruptions occur? Every 2000 years
21. How much did Mt. Vesuvius cause the average temperature to fall worldwide? _____
22. The most deadly Mt. Vesuvius eruption since 79 AD was in what year?
1906
23. What is the year of the last Mt. Vesuvius eruption? (It was mainly lava flows)
1944
24. How long would it take a pyroclastic surge to reach the new city of Pompeii?

25. What does it mean if you live in the Red Zone around Mt. Vesuvius? _____ You are in the 'Danger zone' that would be destroyed in the event of another large eruption.
26. Mt. Vesuvius' eruption in 79 AD is said to be how many times stronger than an atomic bomb? _____ 100 000 times
27. How many feet of volcanic debris did scientists have to dig to find Herculaneum?
25 meters
28. What are the 30 sensors on Mt. Vesuvius monitoring for? sensors record seismic activity, the temperature of the gas emitted by the volcano and topographical changes.
29. What device will scientists use to detect if the volcano swells in size? Satellite Imagery, Sensitive tiltmeters and surveying instruments
30. How much warning do the people around Vesuvius need to evacuate? 72 hours
31. List two ways that the government in Italy is trying to get people to leave the area of Mt. Vesuvius. _____

32. How many people leave the area each year? _____
33. How many people live in the Red Zone around Mt. Vesuvius? 600 000
34. When do scientists expect Mt. Vesuvius will erupt again? Within the next 100 years