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1. **Indonesian Mount Tambora's 1815** outburst was the **largest volcanic eruption in recorded history**. The eruption caused global climate anomalies that included the phenomenon known as "volcanic winter": year 1816 became known as the "Year Without a Summer" because of the effect on North American and European weather due to prolonged blocking of sunlight by ejected particles. Crops failed, and livestock died in much of the Northern Hemisphere, resulting in the worst famine of the 19<sup>th</sup> century.

**Question:** given the speed of sound in the air equal to 340 meters per second, **calculate how soon after the explosion it was heard on Sumatra island, which is about 2,000 km away** (1 km=1000 meters; time=distance/speed; show your work in the space below!).

2. Open and study the volcanic activity map at <https://www.volcanodiscovery.com/volcano/news.html>

**Question:** How many volcanoes are erupting (marked in red) today?

Today's date: \_\_\_\_\_

#of erupting volcanoes: \_\_\_\_\_