

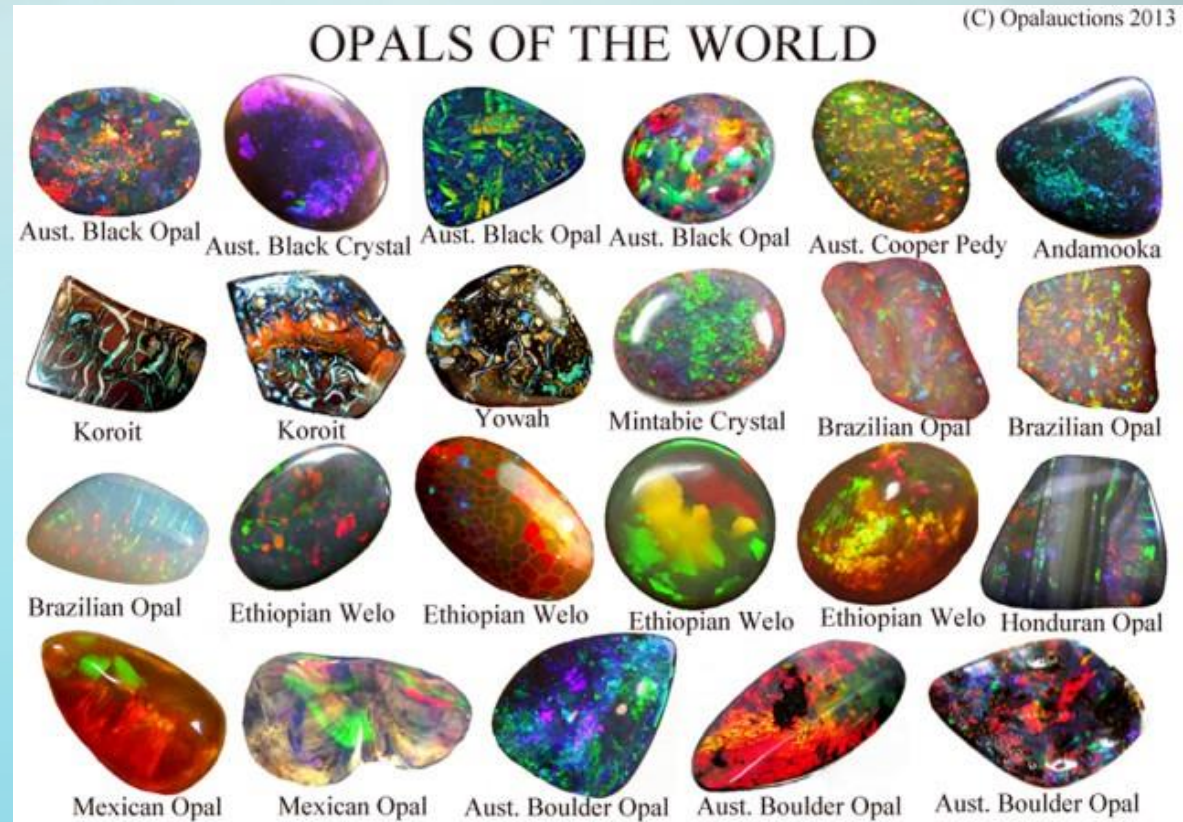


# Slovak opal mines

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# Opal mines

- **Opal** is a hydrated amorphous form of silica ( $\text{SiO}_2 \cdot n\text{H}_2\text{O}$ )
- Quite rare
- Australia, Slovakia, Ethiopia, Mexico
- Mars
- Different varieties of opals



# Opal mines in Slovakia

- late 16th century
- popular with members of the family of the emperor Napoleon
- Empress Josephine wore the most famous Precious opal called- Trojan Fire opal





# Opal mines in Slovakia

- Technical monument
- N48°54'26" E21°27'34,
- Červenica
- The biggest opal ever found- Harlekýn
- unique characteristics



# Harlekýn

- It was found in 1775
- brook Olřavka
- It is 13 cm long
- it weighs 594 g (2,970 carats )
- Museum of Natural History in Vienna
- price is estimated at a half million USD





# Diving in a museum

- It is possible to dive in these mines
- You have to have a basic diving skill and a premission
- <https://www.youtube.com/watch?v=0z5hSdh2JdE>



<http://slovakia.travel/en/opal-mines-in-dubnik-near-presov>

<http://www.ozdinminerals.com/kultoveMineraly/SR/OpaldrahyDubnik1.htm>

<http://www.opalmine.eu/images/pic02.jpg>

Thank you for your attention