

What is Amber?

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About Amber:

- It is **fossil tree resin** that has achieved a **stable state through loss of volatile constituents** and **chemical change** after burial in the ground.

- Amber has been **found throughout the world**, but the **largest and most significant** deposits occur along the **shores of the Baltic Sea** in sands 40 to 60 million years old.
 - Amber **occurs as irregular nodules, rods, or drop like shapes** in all **shades of yellow** with nuances of orange, brown, and, rarely, red.
 - **Milky-white opaque** varieties are called **bone amber**.
 - The **turbidity** of some amber is **caused by inclusions of** many minute **air bubbles**.
 - Many hundreds of species of **fossil insects and plants** are **found as inclusions**.
 - Deeply coloured translucent to transparent amber is prized as gem material.
 - **Ornamental carved objects**, beads, rosaries, cigarette holders, and pipe mouthpieces are **made from amber**.
 - **Amberoid, or “pressed amber,”** is produced by **fusing together small pieces of amber** under pressure. Parallel bands, or flow structure, in amberoid help to distinguish it from natural amber.
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Q1: What is resin?

In polymer chemistry and materials science, resin is a solid or highly viscous substance of plant or synthetic origin that is typically convertible into polymers. Plants secrete resins for their protective benefits in response to injury.

News: [90-million-year-old amber discovered in Antarctica reveals secrets of ancient forest](#)

Source: <https://vajiramandravi.com/current-affairs/amber/>

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