Structure 2.4 · From models to materials

International Baccalaureate · IB Diploma · Chemistry · HL · Vocabulary in context

Word	Example
material /məˈtɪərɪəl/	Choose a **material** that can withstand the required temperature.
bonding triangle	A **bonding triangle** shows how ionic, covalent or metallic a substance is.
alloy /ˈælɔɪ/	Brass is an **alloy** containing copper and zinc.
polymer /ˈpɒlɪmə/	Poly(ethene) is a **polymer**.
monomer /ˈmɒnəʊmə/	Ethene is the **monomer** of poly(ethene).
repeating unit /rɪˈpiːtɪŋ ˈjuːnɪt/	A **repeating unit** appears again and again along a polymer chain.
biodegradable /ˌbaɪəʊdɪˈgreɪdəbl/	A **biodegradable** material can be broken down by living organisms.
addition polymerization	**Addition polymerization** joins ethene molecules into poly(ethene).
condensation polymerization	**Condensation polymerization** gives off water as the monomers join.
polyester /ˌpɒlɪˈestə/	Polyester is used to make clothes; each **polyester** chain has many ester links.
polyamide /ˌpɒlɪˈeɪmaɪd/	Nylon is a **polyamide**.

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