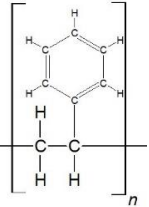
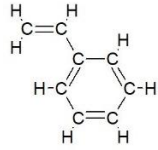
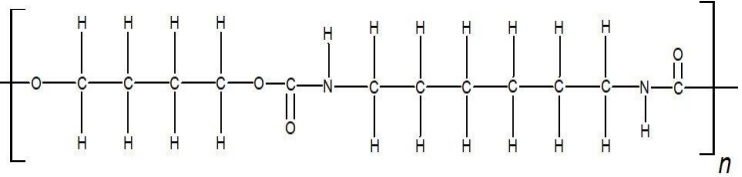
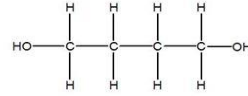
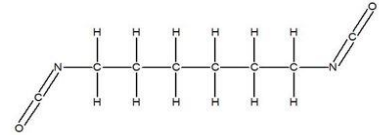


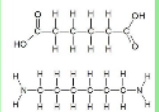
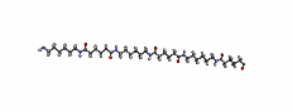
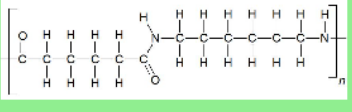
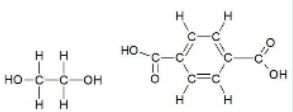
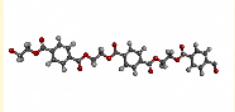
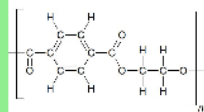
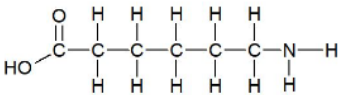
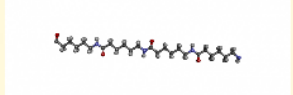
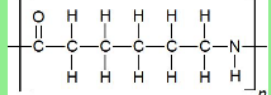
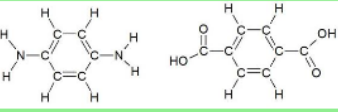
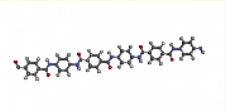
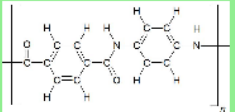
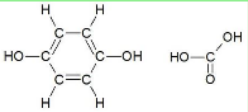
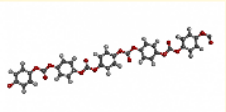
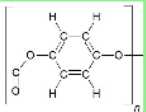
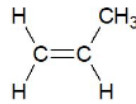

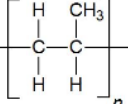
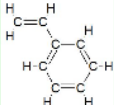

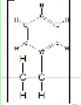
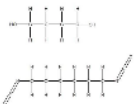
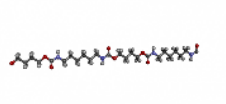
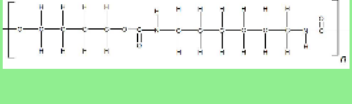
Lösungshinweis zur webbasierten Molekülbetrachtung „Kunststoffmoleküle“

	Kunststoff	Strukturformelausschnitt des Polymers	Monomer(e)
A	Nylon bzw. Polyamid 6,6 (PA 6,6)		<div> <p>Hexandisäure</p> </div> <div> <p>Hexan-1,6-diamin</p> </div>
B	Polyethylterephthalat (PET)		<div> <p>Ethandiol; 1,4-Benzoldicarbonsäure (Terephthalsäure)</p> </div> <div> </div>
C	Perlon bzw. Polyamid 6 (PA 6)		<div> <p>6-Aminohexansäure</p> </div>
D	Kevlar		<div> <p>1,4-Diaminobenzol;</p> </div> <div> <p>1,4-Benzoldicarbonsäure (Terephthalsäure)</p> </div>
E	Polycarbonat (PC)		<div> <p>1,4-Dihydroxybenzol; „Kohlensäure“ eigentlich Phosgen</p> </div> <div> </div>
F	Polypropen (PP)		<div> <p>Propen</p> </div>

Lösungshinweis zur webbasierten Molekülbetrachtung „Kunststoffmoleküle“

G	Polystyrol (PS)		 <p>Phenylethen (Styrol)</p>
H	Bsp. für ein Polyurethan		<p>Butan-1,4-diol</p>  <p>Hexandiisocyanat</p> 

Lösungshinweis zur webbasierten Molekülbetrachtung „Kunststoffmoleküle“

Strukturformel Monomere	Namen der Monomere	Molekülausschnitt	Strukturformelausschnitt des Poymers	Name des Kunststoffes
	Hexandisäure, Hexan-1,6-diamin			Nylon 6,6
	Ethandiol ; Terephthalsäure (1,4 Benzoldicarbonsäure)			PET (Polyethylenterephthalat)
	6 Aminohexansäure			Perlon 6
	1,4 Diaminobenzol ; Terephthalsäure (1,4 Benzoldicarbonsäure)			Kevlar
	1,4 Dihydroxybenzol ; "Kohlensäure" (eigentlich wird Phosgen verwendet)			Polycarbonat (PC)
	Propen			Polypropen (PP)
	Phenylethen (Styrol)			Polystyrol (PS)
	Butan-1,4-diol ; Hexandiisocyanat			Bsp. für ein Polyurethan