

Plastics and composites

Complete this concept review handout and keep it as a record of what you have learned.

Definitions

- A plastic is _____

- A thermoplastic is _____

- A thermosetting plastic is _____

- A composite is _____

Degradation and protection of plastics

Cause of degradation	Description	Example of protection
	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____
	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____
	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Main matrices and reinforcements used in composites

Matrix or reinforcement	Properties sought
Plastic matrix	<ul style="list-style-type: none"> • Durability • _____ • _____ • _____
	<ul style="list-style-type: none"> • _____ • _____ • _____
	<ul style="list-style-type: none"> • _____ • _____
	<ul style="list-style-type: none"> • _____ • _____
	<ul style="list-style-type: none"> • _____ • _____
	<ul style="list-style-type: none"> • _____ • _____ • _____

Degradation and protection of composites

The degradation of composites usually takes one of two forms:

- _____

- _____

To protect materials, it is important to:

- _____

- _____
