

Suggested problems

1-1 Define materials science and engineering (MSE).

1-2 What is the importance of the engineering tetrahedron for materials engineers?

1-3 Define the following terms:

(a) composition;

(b) structure;

(c) synthesis;

(d) processing; and

(e) microstructure.

1-5 The myriad materials in the world primarily fall into four basic categories; what are they? What are materials called that have one or more different types of material fabricated into one component? Give one example.