

**20** A wire is being stretched by a tensile force.

Which statement about the elastic limit **must** be correct?

- A** The deformation is plastic after the elastic limit has been reached.
- B** The deformation is plastic until the elastic limit is reached.
- C** The extension is proportional to the tensile force after the elastic limit has been reached.
- D** The extension is proportional to the tensile force until the elastic limit is reached.