



**MATERIALS SCIENCE  
& ENGINEERING**  
TEXAS A&M UNIVERSITY

# Introduction to Materials Science & Engineering

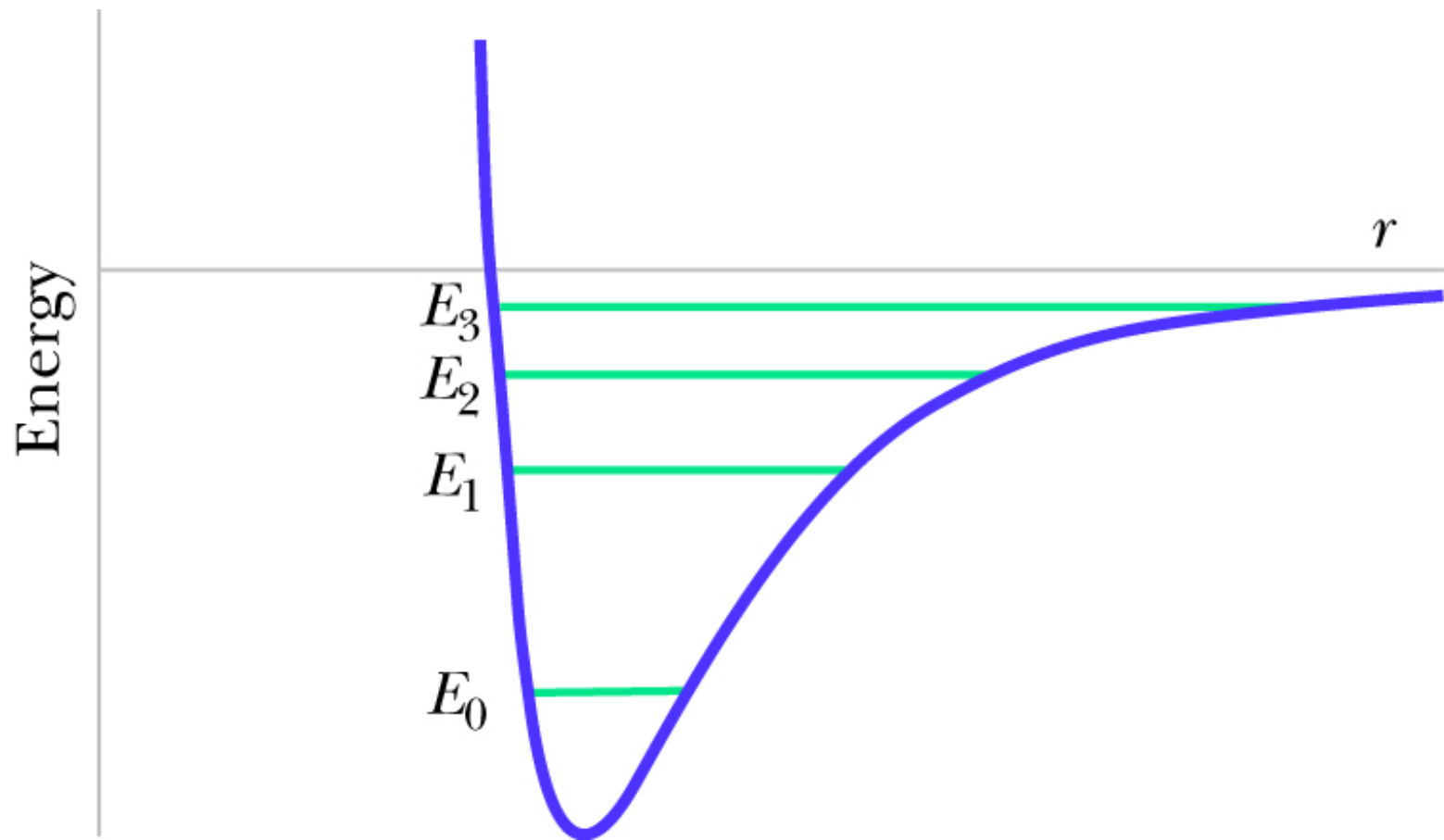
## Interatomic Force & Energy Curves

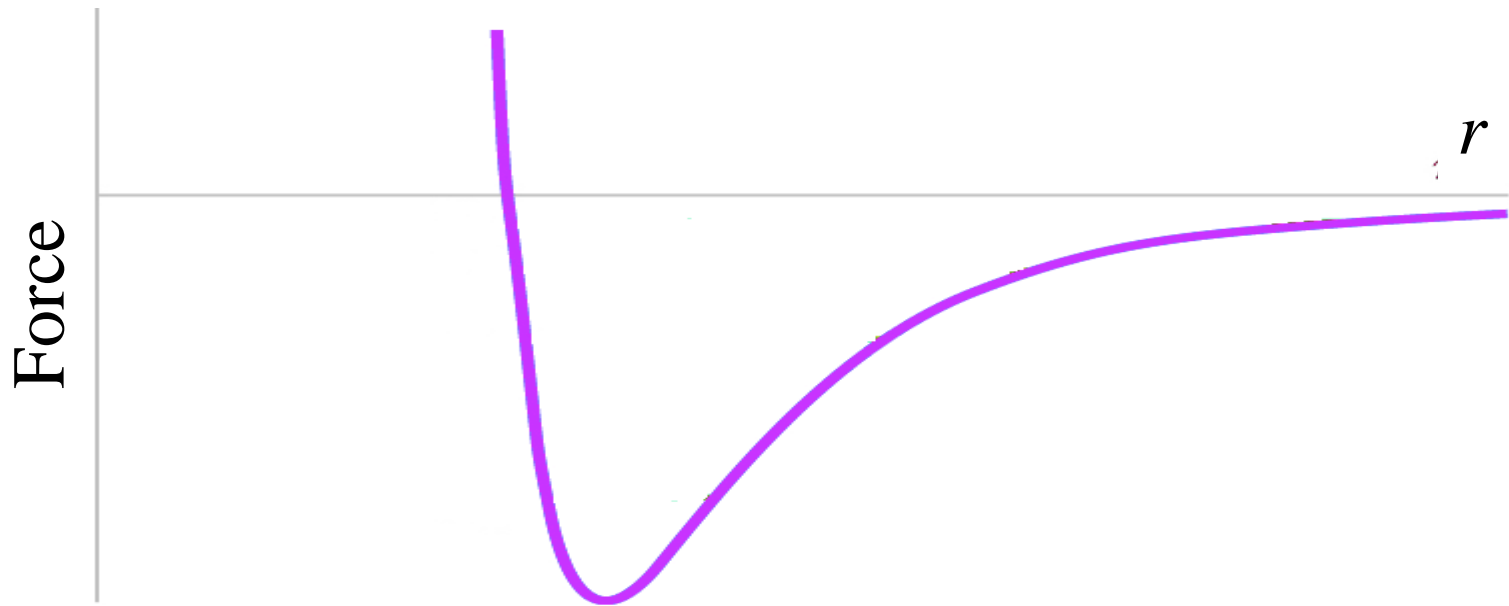
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- Force/Energy vs. distance curves
- Bond Energy (melting)
- Equilibrium Bond Length
- Elastic Modulus