

### Transverse Wave Motion

- Stretched rope or string
- Vibration of medium is 90° re: direction of wave propagation
  - ◆ Elements of rope move up & down
  - ◆ Wave moves at right angles
  - ◆ Note peaks and valleys

Ch1-89

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### Longitudinal Wave Motion

- Spring-mass system
- Direction of particle movement is parallel to wave movement
  - ◆ Elements of spring move back & forth
  - ◆ Wave moves in same plane
  - ◆ Note compressions and rarefactions

Ch1-90

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### SOUND WAVES

- They are longitudinal waves
- Particles oscillate about their equilibrium positions
- Wave is propagated in same plane as particle displacement

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