

# Earthquake Waves

See page 272

| Wave                           | P   | S                  | L                  |
|--------------------------------|---|--------------------|--------------------|
| Name?                          | primary   | secondary          | Love               |
| Wave Type?<br>(body/surface)   | body  | body               | surface            |
| Materials travelled through?   | any   | solids only        | solids only        |
| Relative speed?                | fastest   | med                | slowest            |
| Order of arrival?              | 1   | 2                  | 3                  |
| Compression or shear?          | compression                                     | shear              | shear              |
| Particle Motion vs wave motion | <p>particles<br/>← → ← → ← →<br/>→<br/>wave</p> | <p>↑ ↓ ↑<br/>→</p> | <p>↑ ↓ ↑<br/>→</p> |