





## **EARTHQUAKES** EARTHQUAKE occur along are caused by **MANTLE FAULT LINES OR** produce are **CONVECTION BOUNDARIES CURRENTS** MAGNITUDE OR ← measures is communicated RICHTER SCALE SEISMOGRAPH are detected & **MOVEMENT OF** by **STRENGTH** measured by SAN ANDREAS THE CRUST **VIBRATIONS** -can occur at→ can be **FAULT ALONG PLATE MOVEMENT & PEOPLES MERCALLI** described by –all about– is measured by— **BOUNDARIES DAMAGE OBSERVATIONS SCALE** travel as **SEISMIC WAVES** occur on the -are classified as-\_originate\_\_\_ **FOCUS CONTINENTS OCEAN FLOOR** vibrates vibrates **PRIMARY SECONDARY SURFACE** sometimes sometimes **EPICENTER** -travel to→ **WAVES WAVES WAVES** producing producing (L-WAVES) (P-WAVES) (S-WAVES) **TSUNAMIS LANDFORMS** (TIDAL WAVES) -move in—→ ALL DIRECTIONS are SECOND **LAST FIRST** -occur--occurreleased can have up to SOLIDS **COMPRESSION** MOST DAMAGE \_can travel\_\_ through **OCEAN WAVES** LIQUIDS –move like→ -cause— **WAVES** & DESTRUCTION **GASES** 40 M **OCEAN WAVES TRANSVERSE** PUSH \_travel only\_\_ through -can be-**SOLIDS** OR -can be a--> **WAVES PULL AFTERSHOCK** can SLOW DOWN & HALF AS FAST AS 1<sup>ST</sup> WAVES -continue<del>--></del> (A SMALL LOSE ENERGY -moveas EARTHQUAKE) WHEN THEY **ENCOUNTER** SOFT OR LIQUID SURFACES COMPOSITION OF help to detect **NSF/IERI** THE INNER & 0228353 **OUTER CORES**