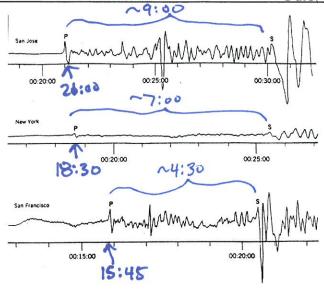
Earthquake and Volcano Review Activity:

Name: Date: Period:



1. Using the seismographs above, put the order of the stations in order from closest to the epicenter to farthest. Justify you answer.

San Franc	isco -> New York -> San Jose
(LESS DIF	FFERENCE BETWEEN P + S WAVES -> CLOSER
2 INITIAL	ARRIVAL TIME

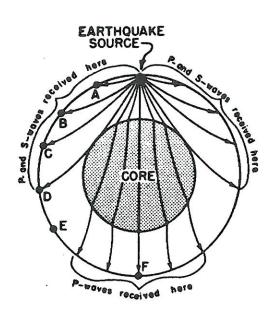
2. Diagram the three types of faults below. Label the fault, standing wall, hanging wall and type of force that caused the fault:

Types of Fault:	Normal	REVERSE	SLIP-STRIKE
Diagram:	HANGING B C STANDING	STANDING HANGING A B A C B A	
Force:	TENSIONAL	COMPRESSIONAL	SHEAR



3. Describe the motion of energy in a P-wave versus an S-wave:

P-WAVE: ENERGY BACK + FORTH IN DIRECTION OF TRAVEL S-WAUE: ENERGY UP + DOWN IN DIRECTION OF TRAVEL



4. In the space below, describe why the paths of seismic waves bend, why station F did not receive any S waves, and why station E did not receive any waves:

• WAVES BEND DUE TO CHANGE IN DENSITY OF LAYERS

• NO SWAVES AT F B/C THEY CAN'T TRAVEL THROUGH

UQVIDS

• NO WAVES @ E B/C DEFLECTED OR STOPPED (SHADOW ZUNE)

5. In the space below, create a labeled diagram that includes the following: batholith, crater, dike, sill, pyroclastic flow, magma, lava

"LARGE AREA OF IGNEUS ROUR, FORMED FROM MAGMA

HARDEN MAGMA
CHANNEL
HORIS

MASSINA VERTINANIEL

6. Describe what things can affect the explosiveness of a volcanic eruption:

· AMOUNT OF WATER VAPO	R 1420 1 EXPLOSION	
· AMOUNT OF DISSOLUED	GASES TEXPLOSION	
· TYPE OF LAVA/MAGMA	ASILICA TEXPLOSION	
•	V SILICA, MORE BASACT V EXP.	

7. In the space below, draw a diagram of a shield volcano and a cinder cone. On the lines below that, describe any differences in structure, formation, and lava type:





SHEILD - LESS EXPLOSIVE, MORE BABALTIC LAVA, HOT SPOTS

CINDER - LAYERS OF CINDER BUILD UP CONE, MORE EXPLOSIVE, CONVERSENT BOUNDARIES