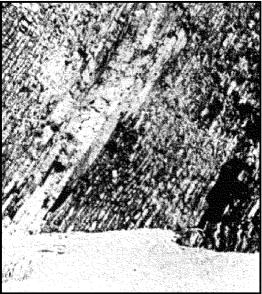
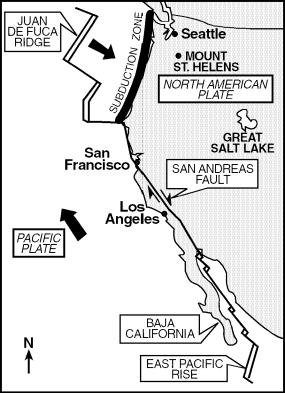
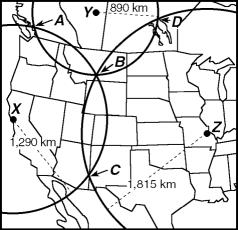
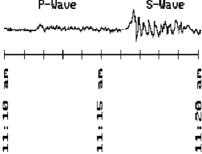


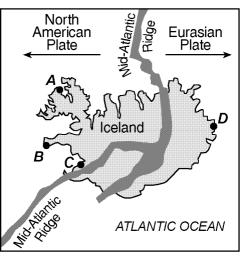
| DATA TABLE | |
|------------|-----------------------|
| Seismic | P-wave Travel Time |
| Station | Travel Time |
| A | 8 min 20 sec |
| В | 0 min 31 sec |
| С | 12 min 18 sec |
| D | 3 min 20 sec |

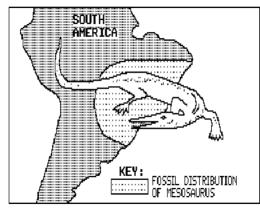


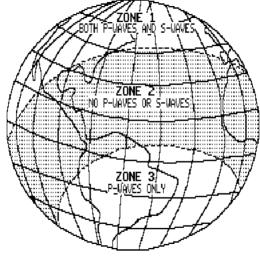


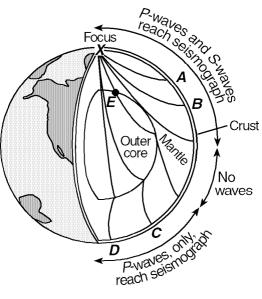






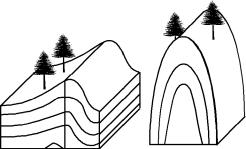


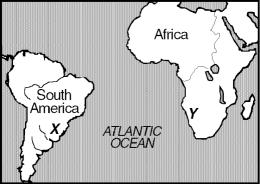




| STATION | TRAVEL-TIME DIFFERENCE |
|---------|------------------------|
| A | 4 min 32 sec |
| В | 3 min 52 sec |
| C | 3 min 10 sec |
| D | 4 min 17 sec |



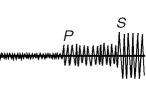


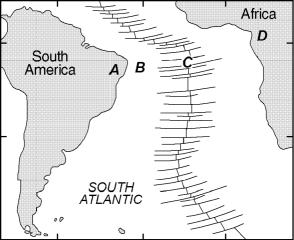


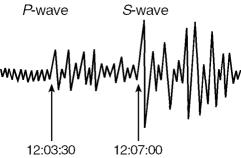


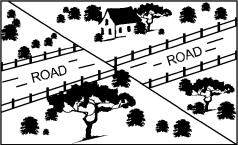


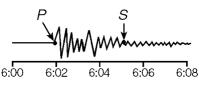


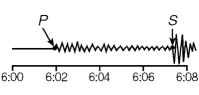


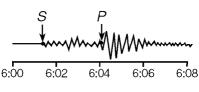


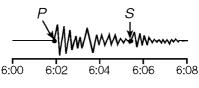




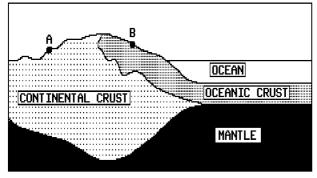


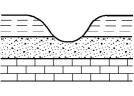


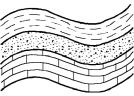


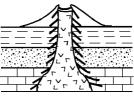


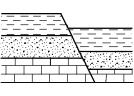
| Station | Arrival Time of <i>P</i> -Wave | of S-Wave | Difference in Arrival Times of <i>P</i> and <i>S</i> -Waves | Distance to Epicenter |
|---------|-----------------------------------|--------------|--|--------------------------|
| Α | 6:02:00 p.m. | 6:07:30 p.m. | 5 min 30 sec | —km |
| В | –р.m. | 6:11:20 p.m. | 7 min 20 sec | 5,700 km |

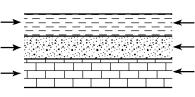


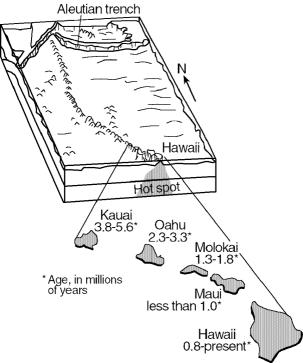


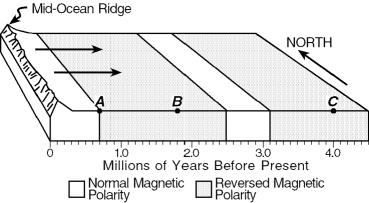




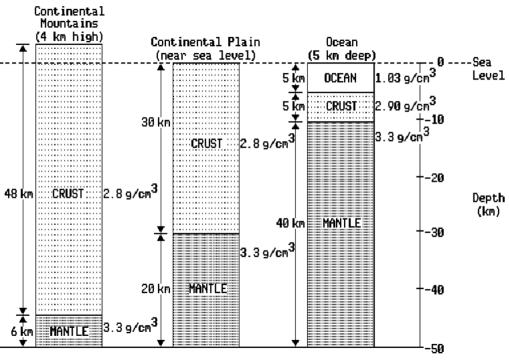


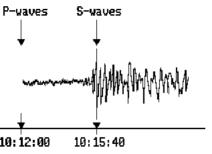


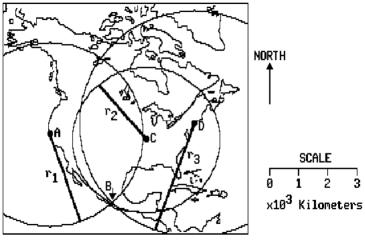


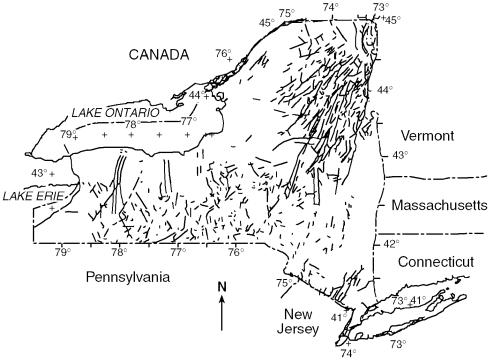


| Seismic Station | <i>P</i> -Wave Arrival Time | S-Wave Arrival Time | Difference in Arrival Times | Distance to Epicenter | | |
|-------------------------------------|--------------------------------|------------------------|-----------------------------|-----------------------|--|--|
| А | 08:48:20 | No S-waves arrived | | | | |
| В | 08:42:00 | | 00:04:40 | | | |
| C | 08:39:20 | | 00:02:40 | | | |
| D | 08:45:40 | | | 6,200 km | | |
| KEY: 08:48:20 seconds minutes hours | | | | | | |

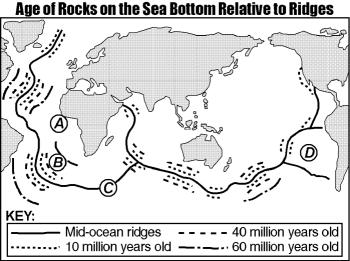


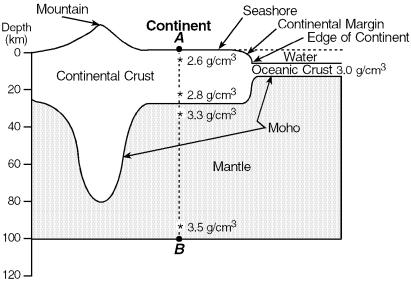


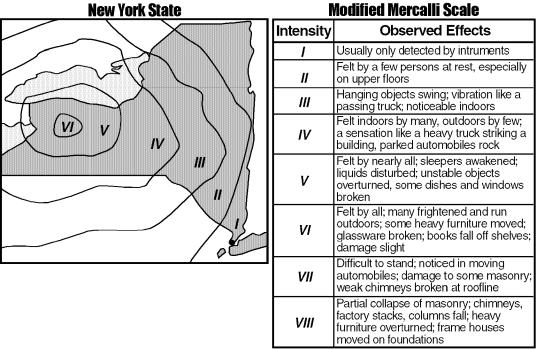


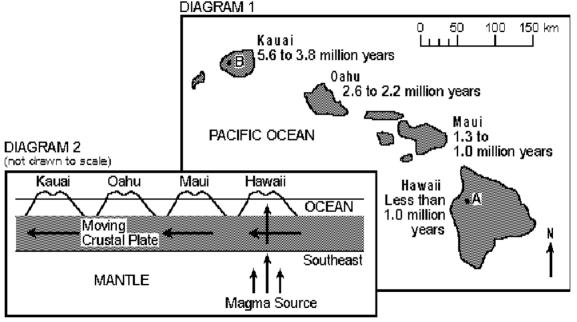


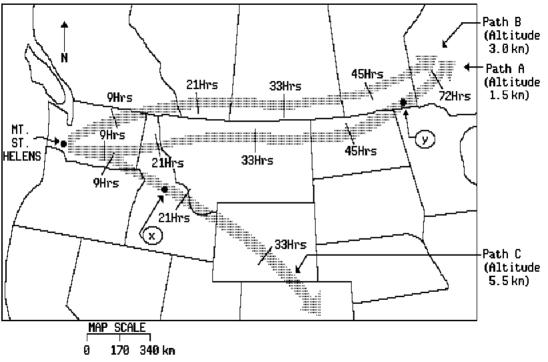


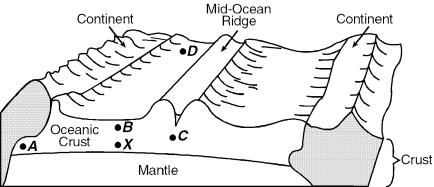


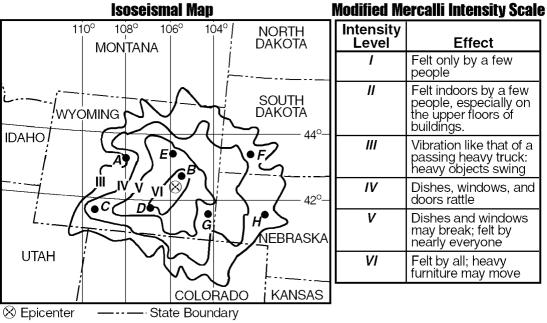


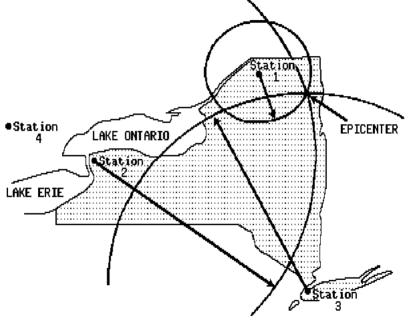


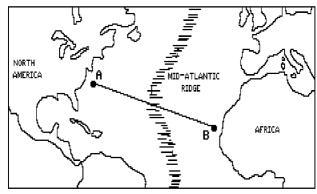


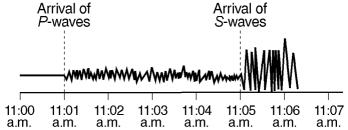


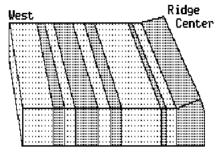


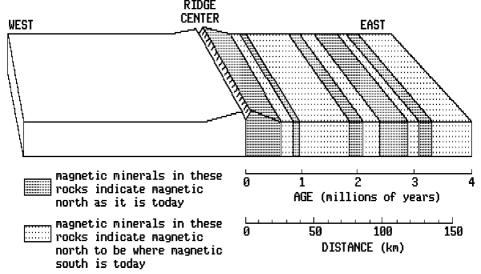


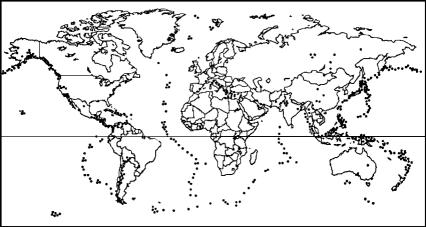


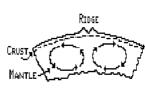


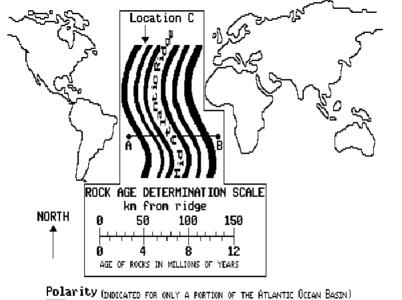












Normal - The magnetic minerals in these rocks indicate magnetic north as it is today.

Reverse The magnetic minerals in these rocks indicate magnetic north where magnetic south is today.

