Ticket to Fly….

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_

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| 1) Which statement correctly compares seismic  *P*-waves with seismic *S*-waves?    (1) *P*-waves travel faster than *S*-waves and pass  through Earth’s liquid zones.  (2) *P*-waves travel faster than *S*-waves and do not pass through Earth’s liquid zones.  (3) *P*-waves travel slower than *S*-waves and pass  through Earth’s liquid zones.  (4) *P*-waves travel slower than *S*-waves and do  not pass through Earth’s liquid zones. | 2) A seismograph station recorded the arrival of  the first *P*-wave at 7:32 p.m. from an earthquake  that occurred 4000 kilometers away. What time  was it at the station when the earthquake  occurred?  (1) 7:20 p.m. (3) 7:32 p.m.  (2) 7:25 p.m. (4) 7:39 p.m.    3) An earthquake’s first *P*-wave arrives at a seismic station at 12:00:00. This *P*-wave has traveled 6000 kilometers from the epicenter. At what time will the first *S*-wave from the same  earthquake arrive at the seismic station?  (1) 11:52:20 (3) 12:09:20  (2) 12:07:40 (4) 12:17:00 |
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