An object is launched straight up with a velocity of 33.2 m/s. Use the acceleration of gravity to be 9.81 m/s/s, and neglect air friction

Fill in the table below: (use v = u + at, and s = ut + ½at2)

|  |  |  |
| --- | --- | --- |
| Time | Velocity | Displacement |
| 0 | +33.2 | 0 |
| 1 |  |  |
| 2 |  |  |
| 3 |  |  |
| 4 |  |  |
| 5 |  |  |
| 6 |  |  |
| 7 |  |  |

Answer exactly or approximately:

When is it at the top? How high does it go at the highest? What total time is it in the air?