Answers

1) 7.4 L/min
2) 300 L/h
3) 60 flaps/s
4) a) -3.25   b) The height decreases by 3.25 m/s.
5) a) -0.006   b) The temperature decreases by 0.006 degrees Celcius/m.
6) 11 cents/year
7) 0.23 cm/day
8) a) graphs may vary b) 1.56 L/m² c) 1.1 min, to the nearest tenth
9) a) The graph is a line starting at (0,0) and passing through (8,2.5) b) 32 s
10) a) Car B, by 36 km/h b) It is the time at which they have travelled the same distance. If they are travelling in the same direction, it is the time at which Car B passes Car A.
11) a) 0.03 m²   b) about 87 minutes