

Name: _____

Physics 11

Worksheet 1.1
Converting Units

Perform the following unit conversions:

1. 0.03 kilograms to grams

2. 10 microNewtons to Newtons

3. 1000 J to MJ

4. 0.0006 seconds to picoseconds

5. 4 km to mm

6. 100 milliJoules to kiloJoules

7. 14 seconds to minutes

8. 0.7 h to s

9. 11 m/s to km/s

Here are some that you're going to be doing very often in this course:

10. 11 m/s to km/h

11. 300 m/s to km/h

12. 80 km/h to m/s

13. 0.06 km/h to m/s

14. Write down a shortcut for converting m/s to km/h.

15. Write down a shortcut for converting km/h to m/s.

Answers: 1) 30 g 2) 0.00001 N 3) 0.001 MJ 4) 600,000,000 ps 5) 4,000,000 mm 6) 0.0001 kJ
7) 0.233 min 8) 2520 s 9) 0.011 km/s 10) 39.6 km/h 11) 1080 km/h 12) 22.2 m/s
13) 0.0167 m/s