

### Fermi Questions Answer Key

1. 28 (around  $5\text{-}6 \times 10^{27}$ )
2. 6 (1.3M)
3. 5 (85,000)
4. 14 ( $1.2 \times 10^{14}$ )
5. 9 (1.9B)
6. 10 ( $6.6 \times 10^9$ )
7. 5 (~200,000)
8. 9 (2,064,000,000)
9. 10 (25,249 million)
10. 25 ( $3 \times 10^{25}$ )
11. 9 ( $5.6 \times 10^8$  inches)
12. 16 ( $1.099 \times 10^{16}$  picometers)
13. 8 (600813333.333)
14. 9 ( $8.4 \times 10^8$ )
15. 12 ( $6.435 \times 10^{12}$ )
16. 12 (2.27 trillion)
17. 12 (1.2 trillion searches)
18. 6 (48.4M)
19. 9 (2.4B)
20. 4 (7,784)
21. 7 (36 million)
22. 2 (439)
23. 6 (around 1 million)