

# Math Problem #1: Exhausting fossil fuel resources

Name: ..... Date: .....

Year	Petroleum resource (Joules)
1980	$1 \cdot 10^{22}$
1983	$9.68 \cdot 10^{21}$
1986	$9.12 \cdot 10^{21}$
1990	$8.70 \cdot 10^{21}$
1993	$8.35 \cdot 10^{21}$
1996	$7.78 \cdot 10^{21}$
2000	$7.42 \cdot 10^{21}$

- Graph the global fossil fuel consumption data provided in the table above
- Estimate the annual rate of petroleum consumption
- When will all petroleum resources be exhausted? State your assumptions? Are these assumptions realistic, and if not what would curtail your predictions?