

18. (a) From Fig. 32-9 we estimate a slope of $B/T = 0.50 \text{ T/K}$ when $M/M_{\text{max}} = 50\%$. So $B = 0.50 \text{ T} = (0.50 \text{ T/K})(300 \text{ K}) = 150 \text{ T}$.
- (b) Similarly, now $B/T \approx 2$ so $B = (2)(300) = 600 \text{ T}$.
- (c) Except for very short times and in very small volumes, these values are not attainable in the lab.