

## PRACTICE: LEWIS STRUCTURES

Draw the Lewis structure for each of the following molecules and polyatomic ions. Include any formal charges.

- (a) nitrogen tribromide,  $\text{NBr}_3$
- (b) iodine pentachloride,  $\text{ICl}_5$
- (c) ammonium ion,  $\text{NH}_4^+$
- (d) phosphate ion,  $\text{PO}_4^{3-}$
- (e) cyanide ion,  $\text{CN}^-$
- (f) radon dichloride,  $\text{RnCl}_2$
- (g) nitrosonium ion,  $\text{NO}^+$
- (h) hydrogen carbonate ion,  $\text{HCO}_3^-$
- (i) sulfur dioxide,  $\text{SO}_2$
- (j) nitrous acid,  $\text{HNO}_2$