



5. How are CClF_3 and CF_4 similar? How are they different?

6. Two of the molecules you cut out do not have a smell. Which ones do you think they are, and why?

7. The chart shows some molecules that have a smell and some that have no smell. What do you think those that have a smell have in common? What about those that don't have a smell?

Molecule	Has a smell?
N_2	no
PH_3	yes
CH_4	no
H_2Se	yes
NH_3	yes
HBr	yes
CO_2	no
AsH_3	yes

8. Ammonia, NH_3 , dissolves in water. Use the four water molecules you have cut out to determine how an ammonia molecule might interact with water. Be prepared to demonstrate your answer to the class.

9. Is water a polar molecule? Why can't you smell it?

10. **Making Sense** How can you identify which molecules are nonpolar? Explain the process you would use.

MOLECULES CUTOUTS

Cut out these molecules on the dashed lines.

