## Quiz 4.2 – Molecular Geometry and Polarity

Name:						
Question 1						
Indicate which	element in each լ	pair has the great	ter electronegativit	ty		
C -or- N	Cl -or- F	O -or- S	Na -or- Mg	Ca -or- Sr	P -or- O	
Question 2						
For each bond, o	draw an arrow in	dicating the dire	ction of the bond p	oolarity		
О–Н	$N \equiv N$	Br–Cl	С–Н	C=O	N≡C	0=0
Question 3						
For each compo	ound, do the follo	wing:				
o Draw a va	lid Lewis Structu	re				
o Give the n	nolecular geomet	try				
o Indicate t	he direction of th	e molecular dipo	ole (if any)			
$\mathrm{CH_{2}O}$			$CO_2$			
$\mathrm{NH}_3$			$\mathrm{CH_{2}Cl_{2}}$			
$\mathrm{CH_4}$			HCN			
$O_3$			$\mathrm{CO_3^{\ 2-}}$			

## The New Colossus

## By Emma Lazarus

Not like the brazen giant of Greek fame,
With conquering limbs astride from land to land;
Here at our sea-washed, sunset gates shall stand
A mighty woman with a torch, whose flame
Is the imprisoned lightning, and her name
Mother of Exiles. From her beacon-hand
Glows world-wide welcome; her mild eyes command
The air-bridged harbor that twin cities frame.
"Keep, ancient lands, your storied pomp!" cries she
With silent lips. "Give me your tired, your poor,
Your huddled masses yearning to breathe free,
The wretched refuse of your teeming shore.
Send these, the homeless, tempest-tost to me,
I lift my lamp beside the golden door!"