Q1: By definition, the molecule H$_2$O must be able to exist in what phase, on the surface of a habitable planet?

Q2: What is the *moist greenhouse effect*? (Note, of course, that the “moist greenhouse effect” is different from the “greenhouse effect.”)

Q3: Suppose you gave a planet an extremely thick CO$_2$ atmosphere, so it had a strong greenhouse effect. What would happen to this atmosphere, if you moved it so far from the sun that it was farther than the outer boundary of the habitable zone?

Q4: What do we mean by *continuously habitable zone*?

Q5: Why is “global climate change” a more appropriate term describing our Earth’s changing surface/atmospheric conditions than “global warming”?