

Practice Questions Section 2.7

Stability of Compounds

Using the Table of Standard Heats of Formation, determine the relative stabilities of CO_2 , MgO , NO , & NH_3 .

*Practice Questions Section 2.7***Stability of Compounds****Answers**

Using the Table of Standard Heats of Formation, determine the relative stabilities of CO₂, MgO, NO, & NH₃.

Answer:

MgO	- 602 kJ/mol	most stable
CO ₂	- 394 kJ/mol	
NH ₃	-46.0 kJ/mol	
NO	+90.4 kJ/mol	least stable