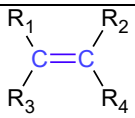
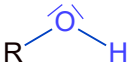
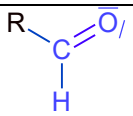
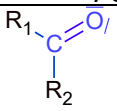
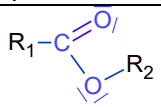
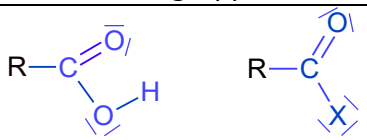
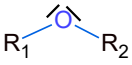
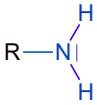
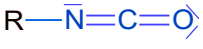
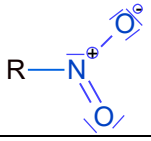
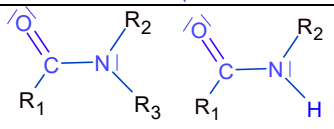
Wichtige organische Verbindungen und funktionelle Gruppen

Name	funktionelle Gruppe
Alkane	keine
Alkene	 Doppelbindung
Alkine	R_1-C≡C-R_2 Dreifachbindung
Alkohole (R= Alkylrest auch Alkanole)	 Hydroxygruppe
Aldehyde (R= Alkylrest auch Alkanale) Carbonylverbindung	 Aldehydgruppe (Carbonylgruppe mit R_2=H)
Ketone (R= Alkylrest auch Alkanone) Carbonylverbindung	 Ketogruppe/ Carbonylgruppe
Carbonsäureester	 Estergruppe
Carbonsäuren/ Carbonsäurehalogenide	 Carboxygruppe
Ether	 Ethergruppe
Amine	 Aminogruppe
Isoocyanate	 Isocyanatgruppe (Merkhilfe: Isocyanate werden für die Herstellung von Schaumstoffen verwendet: Isocyanate reagieren mit Alkoholen zu PUR, mit etwas Wasser entsteht dabei CO_2, nicht CO (NCO)).
Nitroverbindungen	
Amide (R_2 und R_3 kann auch H sein)	 Amidgruppe Peptidgruppe

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