

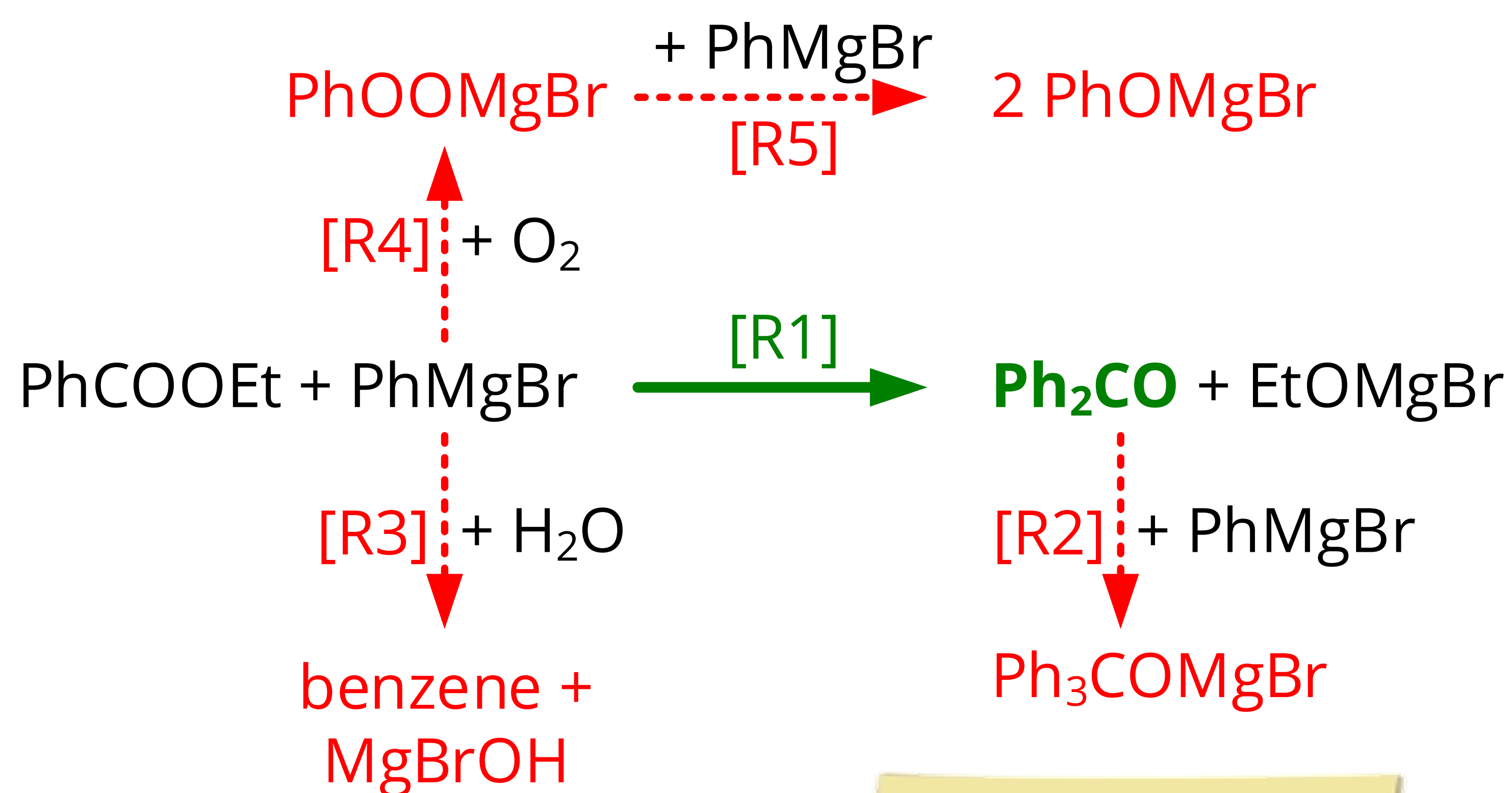


Transformation Map

Britest's **Transformation Map** tool is used to graphically portray the network of chemical and/or physical transformations that convert raw materials into products within a process task. They usually include both desired and undesired transformations, to aid the identification of branch points within the process that can be investigated using other tools (e.g. Driving Force Analysis), in order to identify operating strategies favouring the desired transformations.

List the species involved in the reactions

Generate balanced equations for the process



Desired reaction/ transformation:



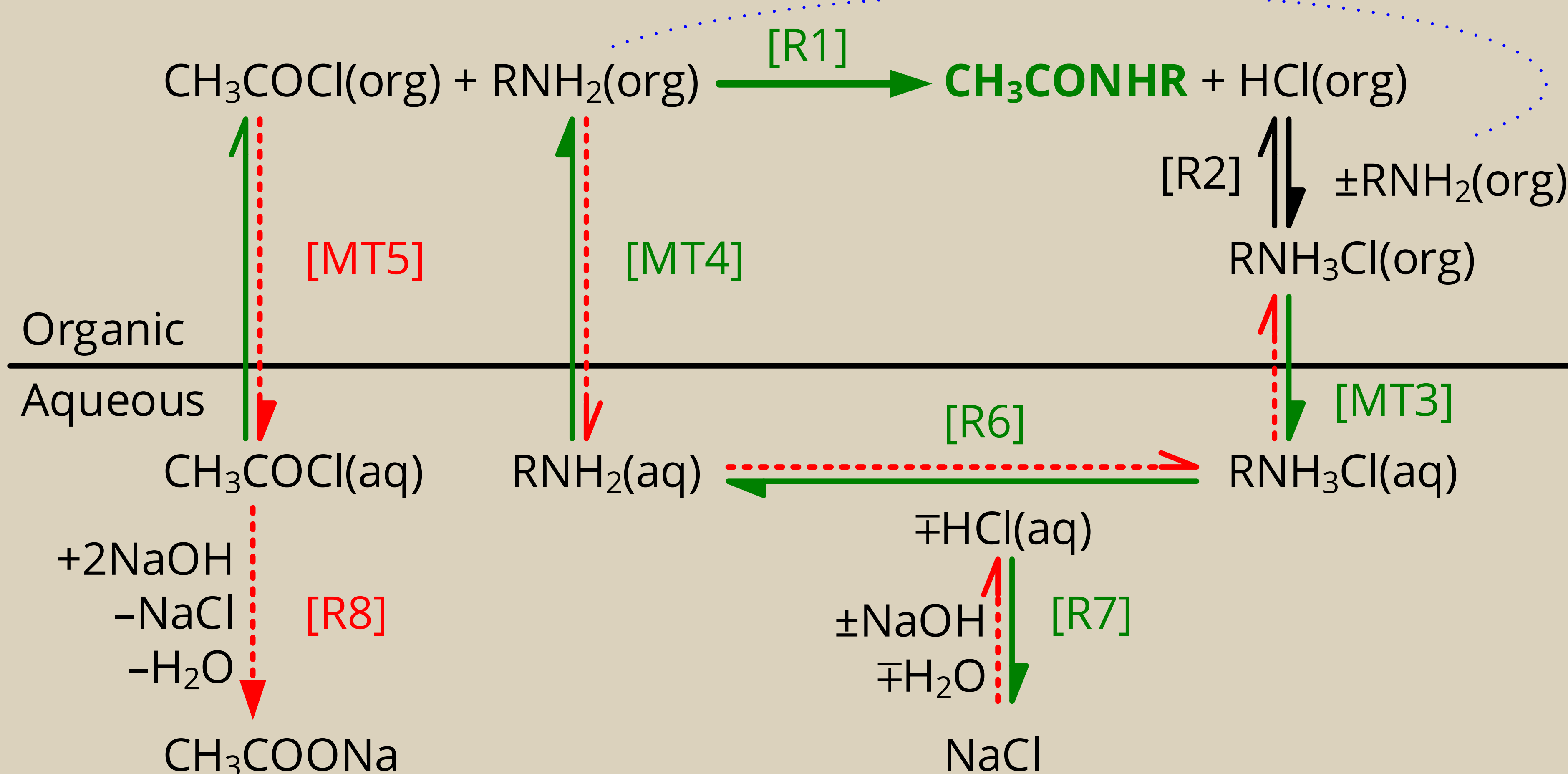
Undesired reactions/ transformations:



Show undesired transformations as branches from main route

Represent the sequence graphically

Example Transformation Map for a Multiphase Process



Mass Transfers [MT] are shown alongside reaction [R] steps.

For complex physical processes word equations describing the transformations are sufficient (e.g. "Dry granules + coating spray → Wetted granules")