

Class & Group	Seat	Name	Student number	Date	Handout Number

### Reading

\_\_\_\_\_ in organic synthesis is being made currently through discoveries in three different areas: (a) new chemical reactions, (b) new reaction conditions, and (c) development of new strategies. It is easy to understand that discoveries made in the first two areas will have a direct impact on the field of organic synthesis. Indeed, we can readily \_\_\_\_\_ that the discovery of a new chemical reaction will be of great importance for synthesis. This is especially true when this new reaction allows the realization of a chemical \_\_\_\_\_ which was not previously possible. It is also true that the report of improved conditions to carry out a known reaction can be a very valuable contribution, especially for a reaction which was previously considered to be purely of \_\_\_\_\_ interest. It is important to point out here that it is extremely difficult to plan the discovery of "truly" new chemical \_\_\_\_\_ and that most of them are usually discovered by accident. On the other hand, it is relatively easy to develop new reaction conditions for a known chemical process.