**Rubric for dibenzalacetone synthesis \_\_/25**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ your name**

**\_\_\_/3 Purpose**

0verall reaction written out + sentence(s) indicating that the reaction is a base driven, aldol condensation

**\_\_\_/2 Format**

All pages numbered, signed and dated; Z where needed

**\_\_\_/6 Observations**

**\_\_\_/3 Running the reaction**: mmoles and amounts of reactants (mL/g); describe basic procedure and the qualitative progress of reaction (color, morphology of solids formed.

**\_\_\_/3 Work-up: what solvent used to wash ? Use of Buchner funnel ?**

**Final appearance of product.**

**\_\_\_/3 Pertinent Material data sheet: (acetone, benzaldehyde, 1,5-diphenyl 1,4-pentadien-3-one**

**\_\_\_/11 Results**

\_\_\_\_/% yield > 40%

\_\_\_\_/ IR band comparison table (see attached reference IR)

~~\_\_\_\_/mp ( above 80 C acceptable)~~  decomposes at mp

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