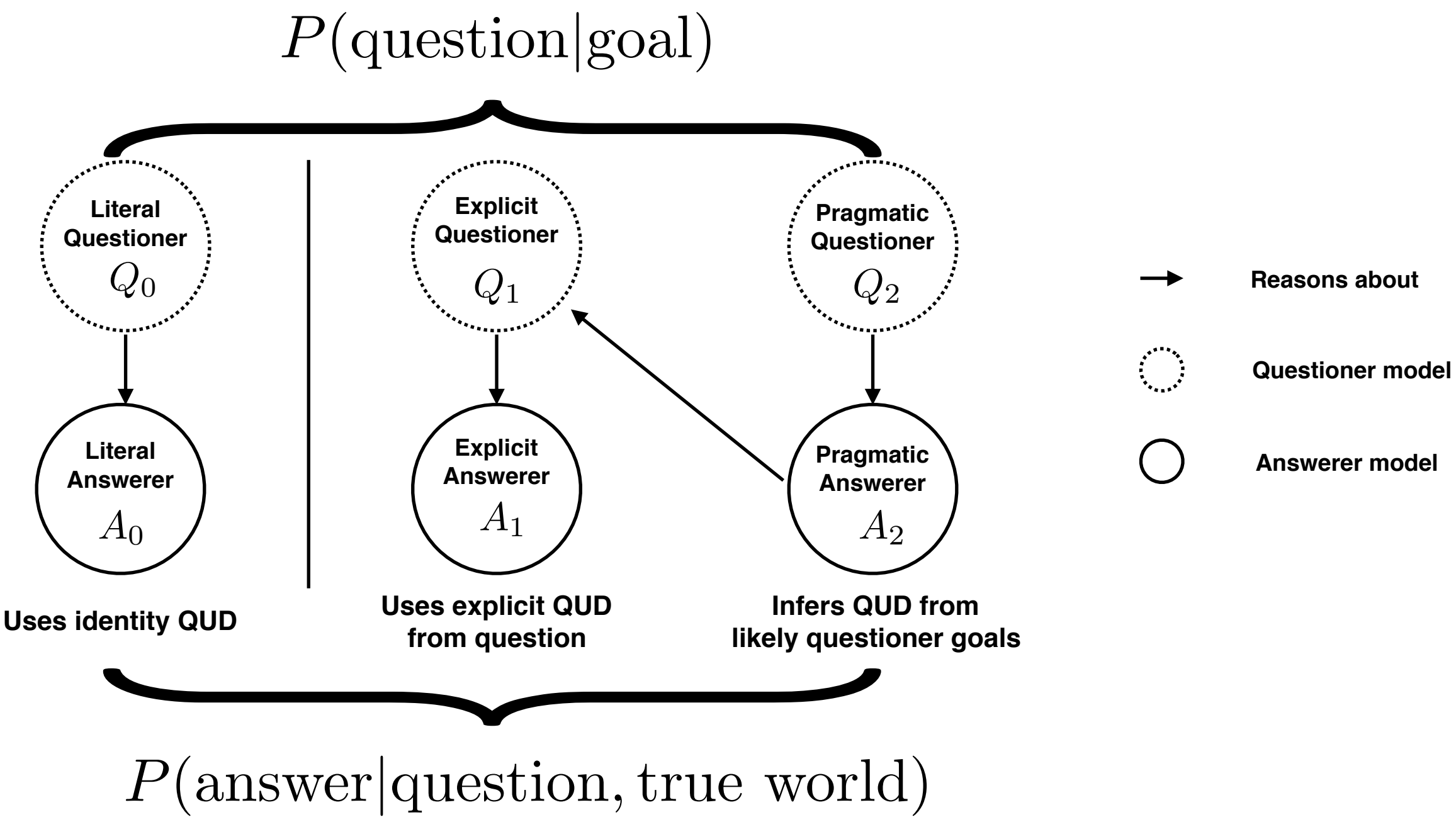
$P(\text{question}|\text{goal})$
Literal Questioner
Q_0
Literal Answerer
A_0
Uses identity QUD
Explicit Questioner
Q_1
Explicit Answerer
A_1
Uses explicit QUD from question
Pragmatic Questioner
Q_2
Pragmatic Answerer
A_2
Infers QUD from likely questioner goals
Reasons about
Questioner model
Answerer model
$P(\text{answer}|\text{question, true world})$