Epistemic Closure Principles
Philosophy 450, Advanced Epistemology and Metaphysics
Spring 2006
California State University, Northridge

**KNOWLEDGE IS CLOSED UNDER ENTAILMENT (SP)**
If person S knows that $p$, and $p$ entails $q$, then S knows that $q$.

**KNOWLEDGE IS CLOSED UNDER KNOWN ENTAILMENT**
If S knows that $p$, and S knows that $p$ entails $q$, then S knows that $q$.

(K)
If, while knowing that $p$, S believes that $q$ because S knows that $p$ entails $q$, then S knows that $q$.

**SINGLE-PREMISE CLOSURE (SPC)**
Necessarily, if S knows that $p$, competently deduces $q$ (from $p$), and thereby comes to believe that $q$, while retaining knowledge of $p$ throughout, then S knows that $q$.

(GK)
If, while knowing various propositions, S believes that $p$ because S knows that they entail $p$, then S knows that $p$.

**MULTI-PREMISE CLOSURE (MPC)**
Necessarily, if S knows that $p_1, \ldots, p_n$, competently deduces $q$ (from $p_1, \ldots, p_n$), and thereby comes to believe that $q$, while retaining knowledge of $p_1, \ldots, p_n$ throughout, then S knows that $q$.

**EVIDENCE IS CLOSED UNDER ENTAILMENT (E)**
If $E$ is evidence for $p$, and $p$ entails $q$, then $E$ is evidence for $q$.

**JUSTIFIED BELIEF IS CLOSED UNDER KNOWN ENTAILMENT**
If S justifiably believes that $p$ and S knows that $p$ entails $q$, then S is justified in believing that $q$.

(GJ)
If, while justifiably believing various propositions, S believes that $p$ because S knows that they entail $p$, then S justifiably believes that $p$. 