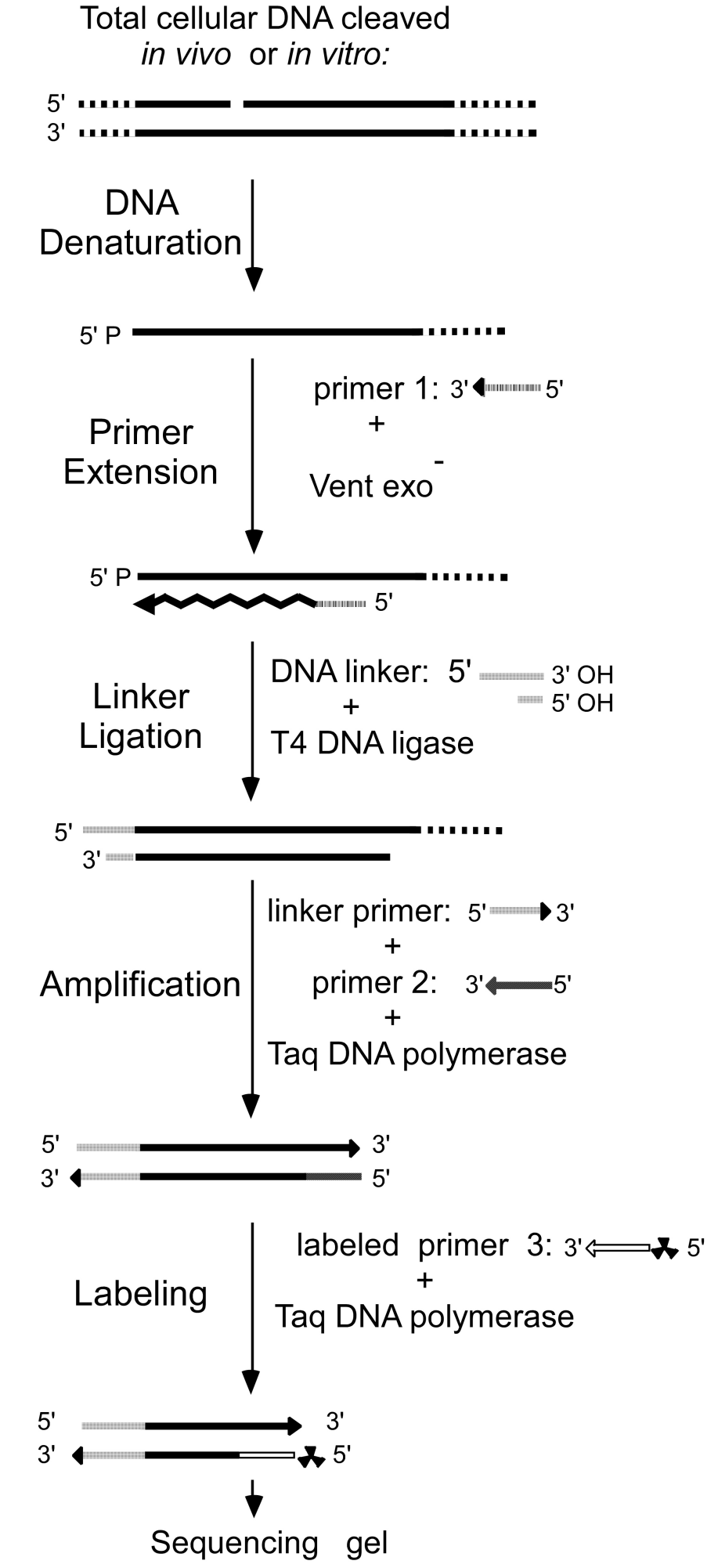
Total cellular DNA cleaved
in vivo or in vitro:
5'
3'
DNA
Denaturation
5' P
Primer
Extension
primer 1: 3' 5'
+
Vent exo-
5' P
5'
Linker
Ligation
DNA linker: 5'
3' OH
5' OH
+
T4 DNA ligase
5'
3'
Amplification
linker primer: 5' 3'
+
primer 2: 3' 5'
+
Taq DNA polymerase
5'
3'
3'
5'
Labeling
labeled primer 3: 3' 5'
+
Taq DNA polymerase
5'
3'
3'
5'
Sequencing gel