An animal grows thicker hair as a season changes. This adaptation helps to _______. (A) find food (B) keep warmer (C) grow stronger (D) escape from predators

Challenge for QA systems: Is a word in a question important, redundant, or distracting?

Essentiality in Questions

State-of-the-art
Essentiality classifier:
F1 = 0.8, MAP = 0.9

Important for humans!

Up to 5% increase in end-to-end QA performance

Dataset | Baseline | With ET
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Regents | 59.11 | 60.85
AI2Public | 57.90 | 59.10
RegtsPertd | 61.84 | 66.84