Band 5 and 6 absorption:
alunite, pyrophyllite, kaolinite
(typical advanced argillic alteration)

ASTER (4+7)/5

ASTER

(5+7)/6

sericite +/- clays (e.g. kaolinite) (typical argillic alteration)

Band 6 absorption: sericite and smectite clays_ (including phyllic alteration devoid of substantial supergene kaolinite) High-albedo surfaces, including eolian sand, fluvial, and sebkha (playa) deposits that often contain ferric iron, clays, sericite, and/or evaporites such as gypsum

Band 5 and 7-8 absorption: vegetation (mainly dry) +/- CCEA

Band 7-8 absorption: carbonate, chlorite, epidote, amphibole (CCEA, including typical propylitic alteration)