Neurotransmitters and receptors

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| **Across**  **2.** a receptor found in the periphery which plays a role in processing pain due to inflammation  **3.** This neurotransmiiter binds to receptors to transmit pain,temperature and mechanical stimuli for acute pain  **7.** This neurotransmitter results in pain in AS if there is no inhibitor  **8.** A receptor that binds directly to ion channels  **9.** a priniciple receptor in the CNS that transmits noxious stimuli to the brain  **10.** Allow for communication across a synapse between neurons or target cells  **12.** receptors that are coupled with G proteins that activate secondary messengers for ion channels to open  **13.** An inflammatory and pain enhancing mediate that brings about chronic pain  **14.** A receptor system that increases the gene's susceptibilty to developing the disease | **Down**  **1.** A system that brings about pain sensation and inflammation in AS  **4.** Caused by a gene's susceptibilty to developing this disease  **5.** Receptors that bind to sustance P to transmit pain stimuli.  **6.** A sensory receptor that detects painful stimuli amd coverts it into nerve impulses  **11.** A receptor that helps produce inflammation |

   ankylosing spondylitis       interleukin1       interleukin23       neurotransmitter        excitatory       nociceptors       endocannibinoid       cannibinoid1       cannibinoid2       glutamate       ionotropic       metabotropic       substanceP       neurokinin1