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openstax learning objectives by the end of this section you will be able to describe the four fundamental forces and what particles participate in them identify and describe fermions and bosons identify and describe the quark and lepton families distinguish between particles and antiparticles and describe their interactions

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the field of particle physics was developed through observations that could not be initially explained but which led researchers to deepen their investigations and develop conclusions led to an entire sub discipline of physics with substantial applications across science and industry

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