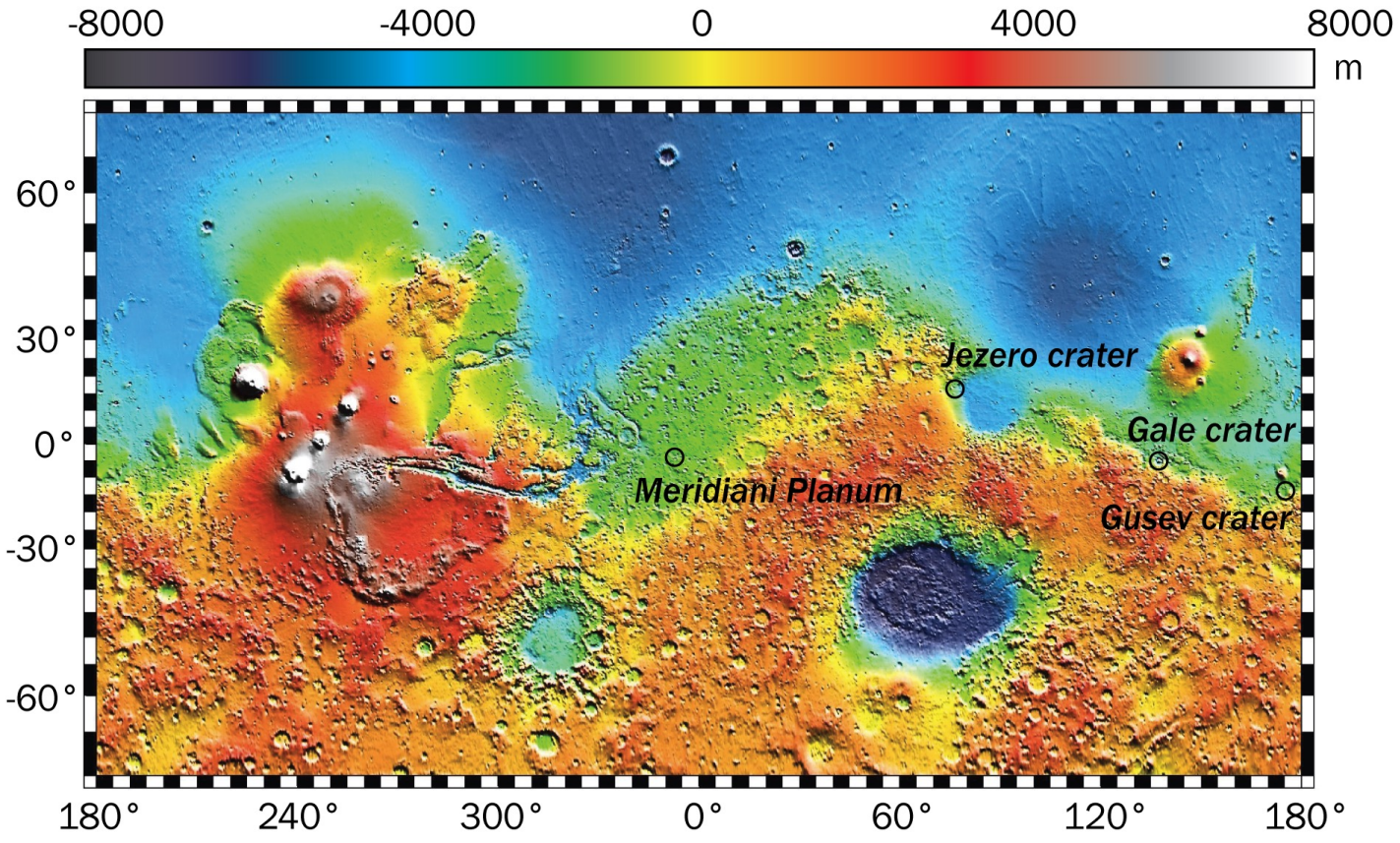

Fig. 1. Elevation map of the surface of Mars obtained by the Mars Orbiter Laser Altimeter (MOLA). Locations of interest are indicated with an empty circle.

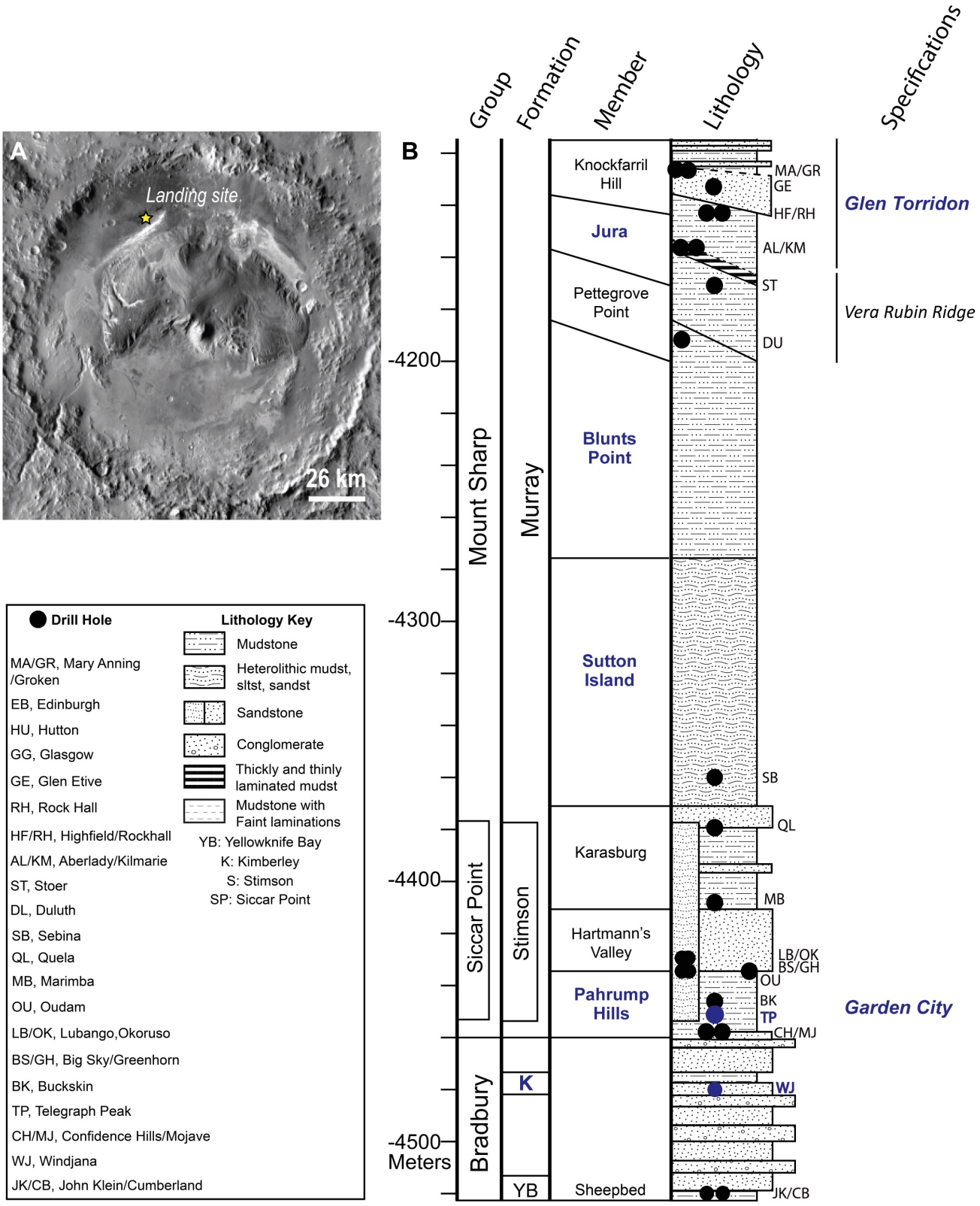

Fig. 2. (a) Context Camera (CTX) mosaic of Gale crater. (b) Stratigraphic column modified from the Sed/Strat MSL group. Locations of interests are indicated in dark blue.
K and YB formation in the Bradbury group correspond to the Kimberley and Yellowknife Bay formations, respectively.

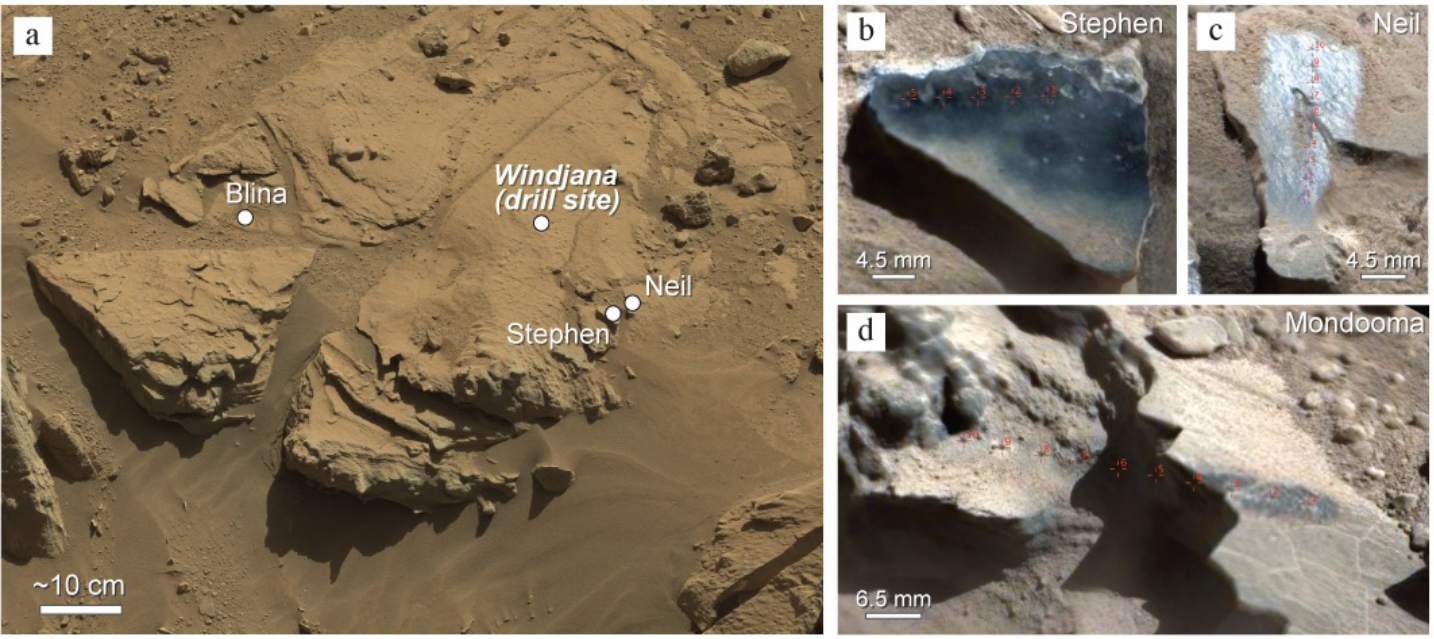

Fig. 3. Images of (a) the Windjana drilling site with Blina, Stephen, and Neil ChemCam targets indicated, (b) Stephen, (c) Neil, and (d) Mondooma fracture fills containing elevated MnO, Ni, Zn, and Cu concentrations. The red annotations on images (b-d) show the locations of the LIBS analyses.

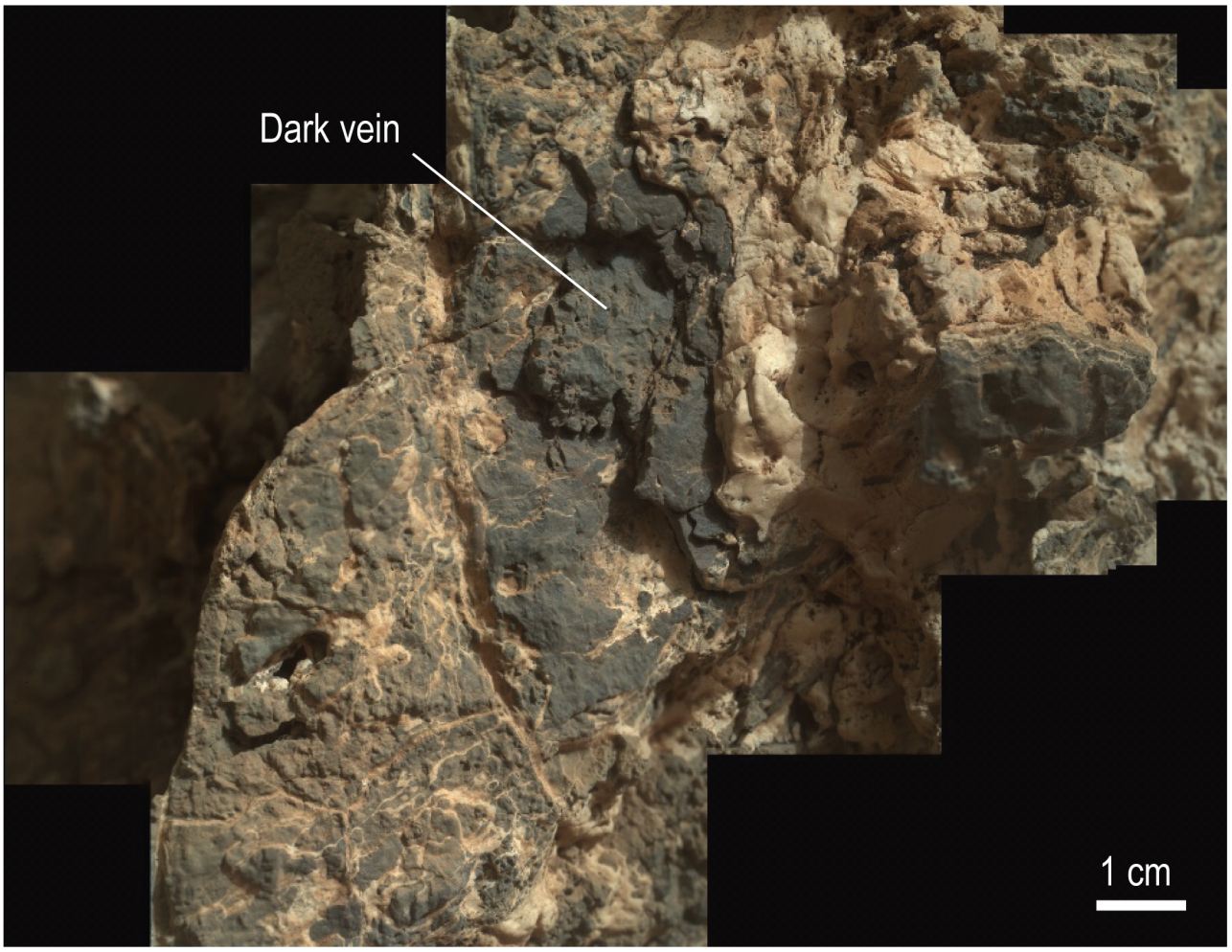

Fig. 4. MAHLI mosaic of a vein in the Garden City vein complex. The white materials correspond to Ca-sulfate and the dark materials contain elevated Ge and Mn concentrations.

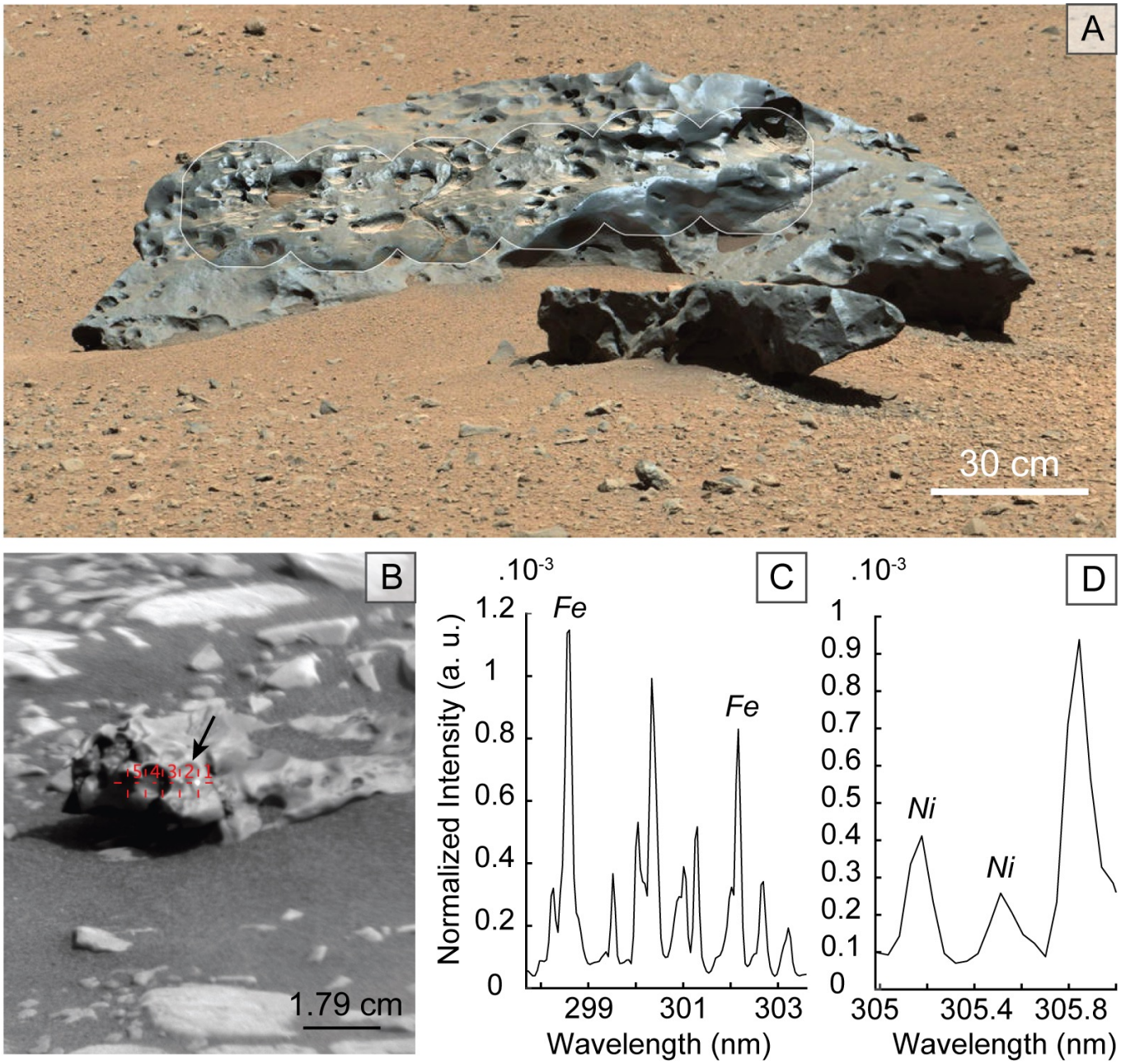

Fig. 5. (a) Image of an iron-rich meteorite called Lebanon (sol 640). This image is a combination of the colored MastCam images and high resolution Remote Micro Imager (RMI) images, which are outlined with white lines. (b) RMI image of a Fe-meteorite (sol 1376). Red numbers correspond to LIBS analyses. The arrow indicates the location of the corresponding LIBS average spectrum that is centered around (c) the Fe lines and (d) the Ni lines. The LIBS sprectrum corresponds to the average of 24 LIBS shots (6-30 to avoid dust contamination in the first 5 shots; Lasue et al., 2013) performed in point 2, which was then normalized to the entire spectrum.

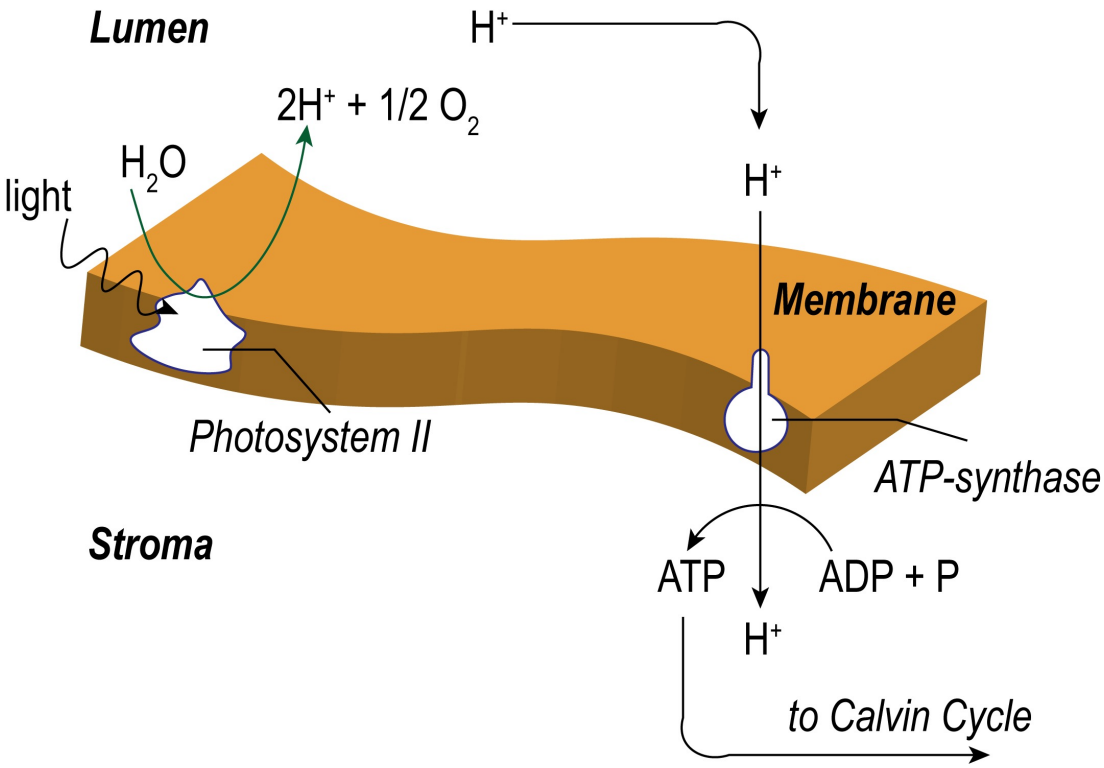

Fig. 6. Sketch illustrating the functioning of the photosystem II. ADP is for adenosine diphosphate, and ATP for adenosine triphosphate. Stroma is the fluid within plant and some algae cells (chloroplasts) that produces energy. Lumen corresponds to an aqueous phase surrounded by a membrane. The Calvin cycle is a serie of reactions that happens within chloroplasts during photosynthesis.